


Anti-HDAC6 antibody ab61173

1 图像

概述

产品名称	Anti-HDAC6抗体
描述	兔多克隆抗体to HDAC6
宿主	Rabbit
特异性	Detects total HDAC6.
经测试应用	适用于: ELISA, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic non-phosphopeptide derived from human HDAC6 around the phosphorylation site of serine 22 (P-Q-S ^P -P-P).
阳性对照	Testis.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

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“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

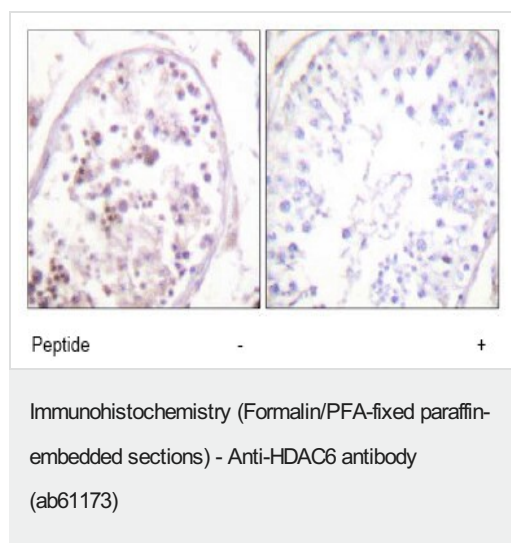
应用	Ab评论	说明
ELISA		1/5000.

应用	Ab评论	说明
IHC-P		1/50 - 1/100.

靶标

功能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.
序列相似性	Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.
翻译后修饰	Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.
细胞定位	Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

图片



1/50-1/100 ab61173 staining HDAC6 in human testis tissue, in the absence or presence of the immunizing peptide.

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Anti-HDAC6 antibody ab53099

★★★★☆ [1 Abreviews](#) [2 图像](#)

概述

产品名称	Anti-HDAC6抗体
描述	兔多克隆抗体to HDAC6
宿主	Rabbit
特异性	ab53099 detects endogenous levels of total HDAC6 protein
经测试应用	适用于: WB, IHC-P, ELISA
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide derived from human HDAC6.
阳性对照	WB: HeLa cell extract. IHC-P: FFPE human testis tissue sections.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab53099 as affinity purified from rabbit antiserum by peptide affinity chromatography using epitope specific immunogen.
克隆	多克隆
同种型	IgG

应用

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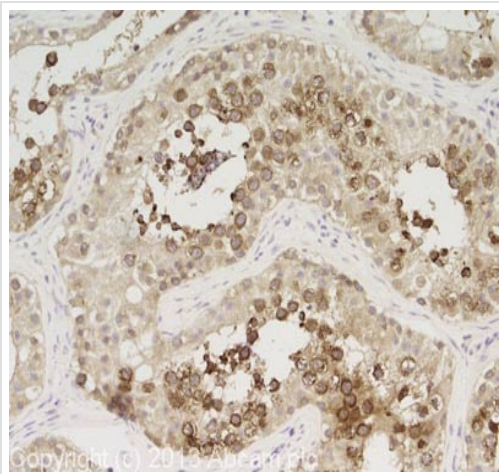
应用	Ab评论	说明
WB	★★★★☆ (1)	1/300 - 1/1000. Detects a band of approximately 131 kDa (predicted molecular weight: 131 kDa).

应用	Ab评论	说明
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ELISA		1/5000.

靶标

功能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.
序列相似性	Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.
翻译后修饰	Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.
细胞定位	Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

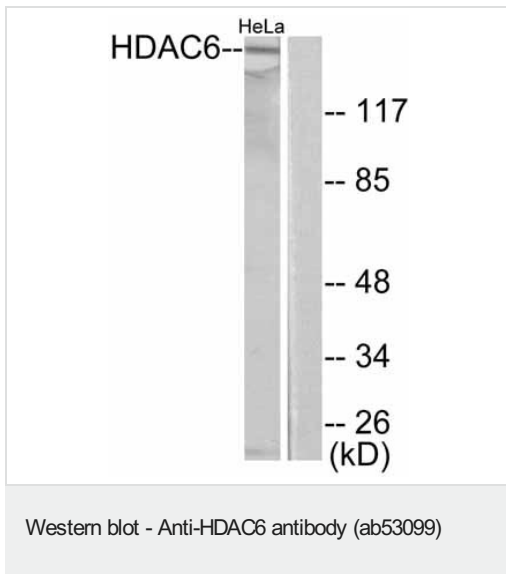
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC6 antibody (ab53099)

IHC image of HDAC6 staining in human testis formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab53099, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



All lanes : Anti-HDAC6 antibody (ab53099) at 1/300 dilution

Lane 1 : HeLa cell extract

Lane 2 : HeLa cell extract with peptide

Predicted band size: 131 kDa

Observed band size: 131 kDa

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Anti-GAPDH antibody - Loading Control ab9485

★★★★★ [88 Abreviews](#) [2835 References](#) [9 图像](#)

概述

产品名称	Anti-GAPDH抗体- Loading Control
描述	兔多克隆抗体to GAPDH - Loading Control
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Chicken, Dog, Saccharomyces cerevisiae, Xenopus laevis, Schizosaccharomyces pombe, African green monkey 
免疫原	Full length native protein (purified) corresponding to Human GAPDH.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituents: 98.98% PBS, 1% BSA Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

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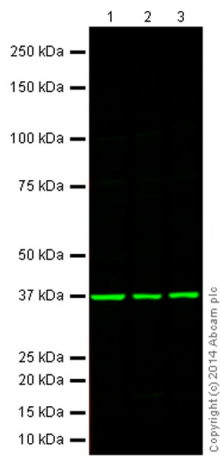
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应用	Ab评论	说明
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (74)	1/2500. Detects a band of approximately 40 kDa (predicted molecular weight: 37 kDa). Some customers have experienced that milk significantly decreases the signal in WB compared to BSA. In-house we use BSA. We recommend Goat Anti-Rabbit IgG H&L (Alexa Fluor® 790) (ab175781) secondary antibody
ICC/IF	★★★★★ (6)	Use a concentration of 5 µg/ml. We recommend Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (ab150081) secondary antibody.

靶标

功能	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC (By similarity). Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate.
通路	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.
序列相似性	Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.
翻译后修饰	S-nitrosylation of Cys-152 leads to interaction with SIAH1, followed by translocation to the nucleus. ISGylated.
细胞定位	Cytoplasm > cytosol. Nucleus. Cytoplasm > perinuclear region. Membrane. Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal (By similarity). Postnuclear and Perinuclear regions.

图片



Western blot - Anti-GAPDH antibody - Loading Control (ab9485)

All lanes : Anti-GAPDH antibody - Loading Control (ab9485) at 1/2500 dilution

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 3 : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

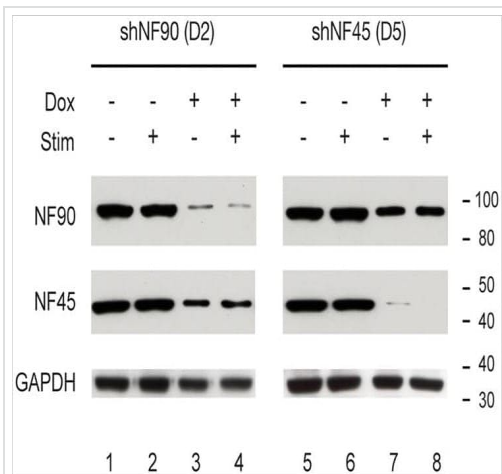
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (Alexa Fluor® 790) (**ab175781**) secondary antibody at 1/10000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using Licor blocking buffer before being incubated with ab9485 overnight at 4°C. Antibody binding was detected using **Goat Anti-Rabbit IgG H&L (Alexa Fluor® 790) (ab175781) secondary antibody** at a 1:10,000 dilution for 1hr at room temperature and then imaged using the Licor Odyssey CLx.



Western blot - Anti-GAPDH antibody - Loading

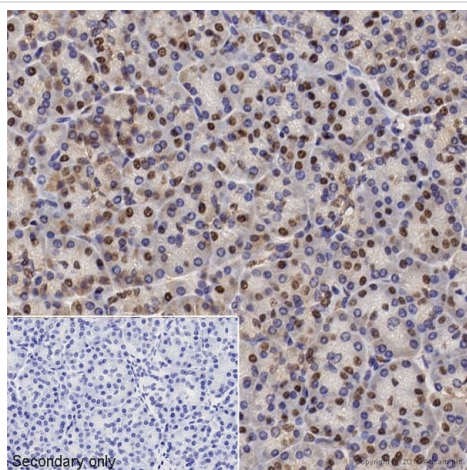
Control (ab9485)

Image from Wu T et al., PLoS One, 14(4), Fig 3.; doi: 10.1371/journal.pone.0216042. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>.

HEK293 cells stably transfected with pINDUCER10-shNF90/NF110 (D2) or pINDUCER10-shNF45 (D5) were treated without or with doxycycline for 96 h, then serum starved for 12 h and treated with PMA (20 ng/mL) for 2 h. Protein lysates (20 µg/lane) were separated by SDS-PAGE and transferred to PVDF membranes.

Loading control: Rabbit polyclonal to GAPDH (ab9485) at 1/1000 dilution.

Secondary antibodies (HRP) were used at 1/10,000 dilution.

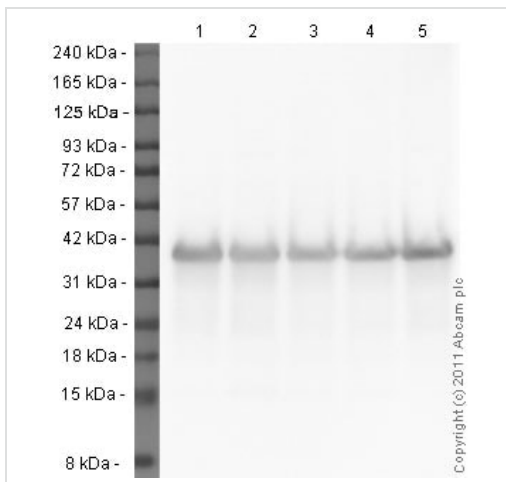


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAPDH antibody - Loading Control (ab9485)

IHC image of ab9485 staining GAPDH in human pancreas formalin fixed paraffin embedded tissue sections*, performed on a Leica Bond. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab9485, 5µg/ml working concentration, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. No primary antibody was used in the secondary only control (shown on the inset).

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - Anti-GAPDH antibody - Loading Control (ab9485)

All lanes : Anti-GAPDH antibody - Loading Control (ab9485) at 1 $\mu\text{g/ml}$

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : A431 cell lysate

Lane 4 : HEK-293 cell lysate

Lane 5 : HepG2 cell lysate

Lysates/proteins at 20 μg per lane.

Predicted band size: 37 kDa

Western blot image using 4-20% Optiblot gel with the Prism Ultra Protein Ladder (**ab116028**) 5 μl used. We recommend using our ECL substrate kit (**ab65623**).

20 μg of Lysate per lane and detection using ab9485 diluted to 1 $\mu\text{g/ml}$.

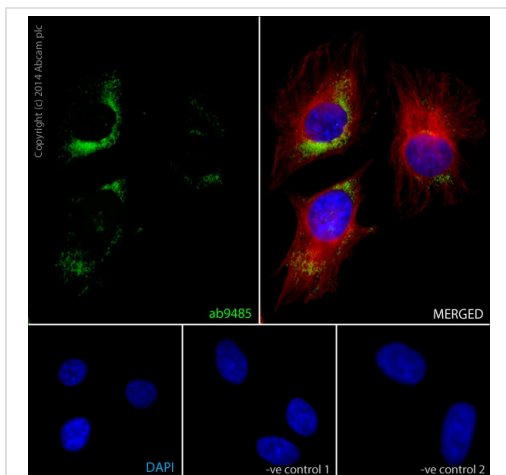
Lane 1: HeLa cell lysate

Lane 2: Jurkat cell lysate

Lane 3: A431 cell lysate

Lane 4: HEK-293 cell lysate

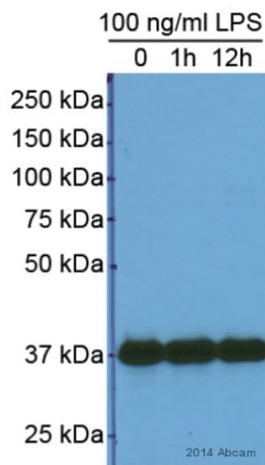
Lane 5: HepG2 cell lysate.



Immunocytochemistry/ Immunofluorescence - Anti-GAPDH antibody - Loading Control (ab9485)

ab9485 staining GAPDH in HeLa cells. The cells were fixed with 100% methanol (5min) and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated with ab9485 at 5 $\mu\text{g/ml}$ and **ab7291** at 1 $\mu\text{g/ml}$ overnight at +4 $^{\circ}\text{C}$, followed by a further incubation at room temperature for 1h with **Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (ab150081) secondary antibody** at 2 $\mu\text{g/ml}$ (shown in green) and **Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (ab150120) secondary antibody** at 2 $\mu\text{g/ml}$ (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.

Negative controls: 1– Rabbit primary antibody and anti-mouse secondary antibody; 2 – Mouse primary antibody and anti-rabbit secondary antibody. Controls 1 and 2 indicate that there is no unspecific reaction between primary and secondary antibodies used.



Western blot - Anti-GAPDH antibody - Loading Control (ab9485)

This image is courtesy of an anonymous Abreview

All lanes : Anti-GAPDH antibody - Loading Control (ab9485) at 1/1000 dilution

Lane 1 : Mouse hepatocytes - untreated

Lane 2 : Mouse hepatocytes - treated with LPS (100 ng/mL) for 1 hour

Lane 3 : Mouse hepatocytes - treated with LPS (100 ng/mL) for 12 hours

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-rabbit secondary antibody (HRP) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

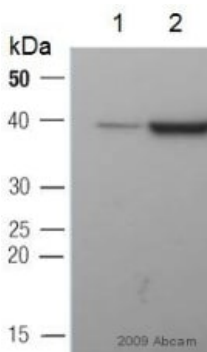
Predicted band size: 37 kDa

Observed band size: 37 kDa

Exposure time: 1 minute

Primary incubation: 16 hours at 4°C

Blocking: 5% milk for 1 hour at room temperature



Western blot - Anti-GAPDH antibody - Loading Control (ab9485)

This image is a courtesy of Anonymous Abreview

All lanes : Anti-GAPDH antibody - Loading Control (ab9485) at 1/2500 dilution

Lane 1 : Lysate prepared from human Huh-7 cells at 2 µg

Lane 2 : Lysate prepared from human Huh-7 cells at 20 µg

Secondary

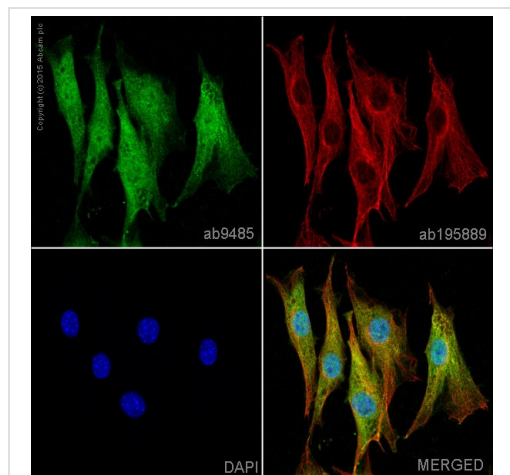
All lanes : HRP-conjugated sheep polyclonal to rabbit IgG at 1/20000 dilution

Performed under reducing conditions.

Predicted band size: 37 kDa

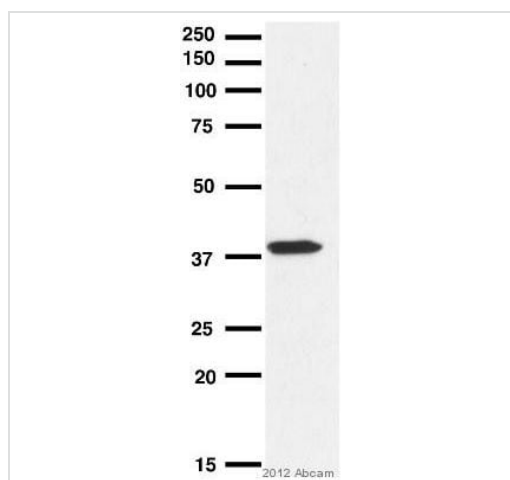
Observed band size: 40 kDa

Exposure time: 5 minutes



Immunocytochemistry/ Immunofluorescence - Anti-GAPDH antibody - Loading Control (ab9485)

ab9485 staining GAPDH in NIH3T3 cells. The cells were fixed with 4% formaldehyde (10min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated with ab9485 at 5µg/ml and **ab195889** at 1/250 overnight at +4°C, followed by a further incubation at room temperature for 1h with **Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (ab150081) secondary antibody** at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Western blot - Anti-GAPDH antibody - Loading Control (ab9485)

Anti-GAPDH antibody - Loading Control (ab9485) at 1/1000 dilution + Mouse Embryonic lung whole tissue lysate at 30 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 37 kDa

Exposure time: 15 seconds

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HRP 标记的山羊抗兔 IgG

100 μ L-20 $^{\circ}$ C**产品简介:**

辣根过氧化物酶标记山羊抗兔 IgG (H+L) (HRP conjugated Goat Anti-Rabbit IgG (H+L)), 用于 Western、ELISA 和 IHC 等实验。HRP, 即 Horseradish Peroxidase, 中文名为辣根过氧化物酶, 可以在 Western 检测时催化 ECL 类试剂产生化学发光, 可以在 ELISA 时催化 TMB 产生蓝色, 也可以在 IHC 或 Western blot 检测时催化 DAB 产生棕色沉淀。

包装内容:

产品货号	产品名称	规格
GB23303	HRP 标记山羊抗兔 IgG	100 μ L

保存条件: -20 $^{\circ}$ C 保存, 一年有效。

建议稀释比:

ELISA 1:1000—1:5000

WB 1:3000

IHC/ICC 1:200—1:500


注意事项:

- 1、具体的稀释比例请根据实验结果调整。尽量减少反复冻融。
- 2、为了您的安全和健康, 请穿实验服并戴一次性手套操作。

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1 图像

概述

产品名称	Anti-HDAC6抗体
描述	兔多克隆抗体to HDAC6
宿主	Rabbit
特异性	Detects total HDAC6.
经测试应用	适用于: ELISA, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic non-phosphopeptide derived from human HDAC6 around the phosphorylation site of serine 22 (P-Q-S ^P -P-P).
阳性对照	Testis.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

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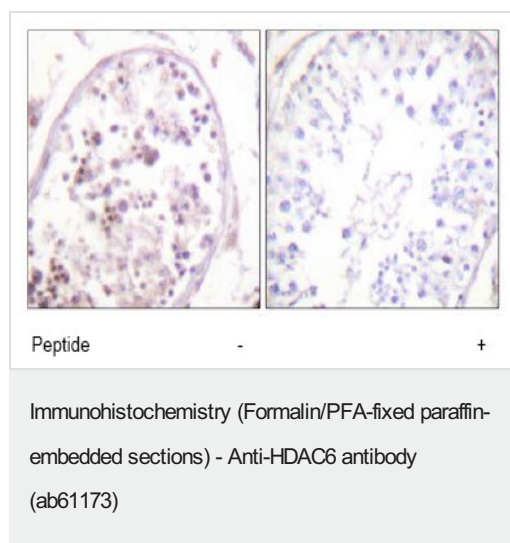
应用	Ab评论	说明
ELISA		1/5000.

应用	Ab评论	说明
IHC-P		1/50 - 1/100.

靶标

功能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.
序列相似性	Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.
翻译后修饰	Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.
细胞定位	Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

图片



1/50-1/100 ab61173 staining HDAC6 in human testis tissue, in the absence or presence of the immunizing peptide.

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