HDAC1 with marker

Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

62 kDa

GAPDH for HDAC 1
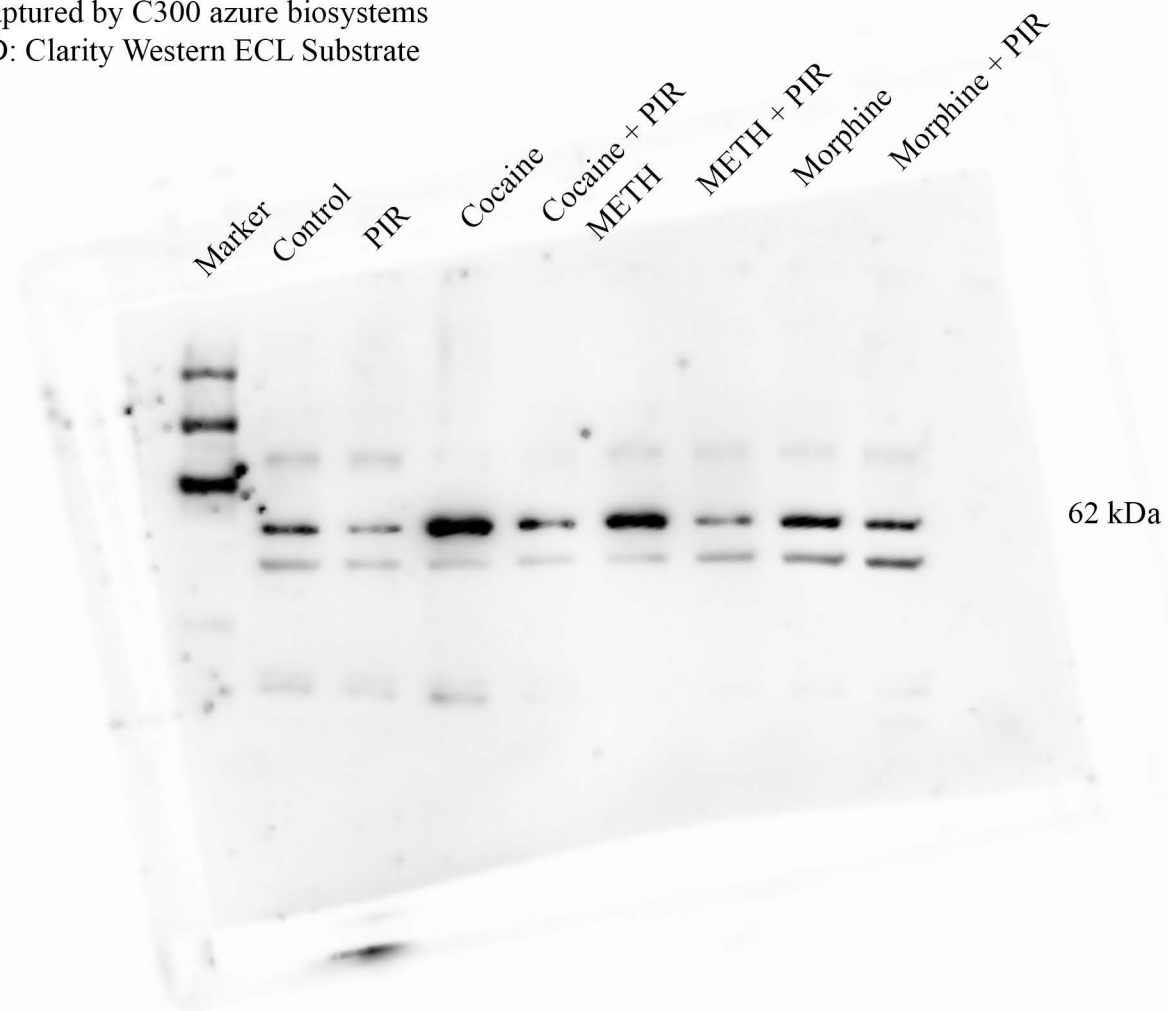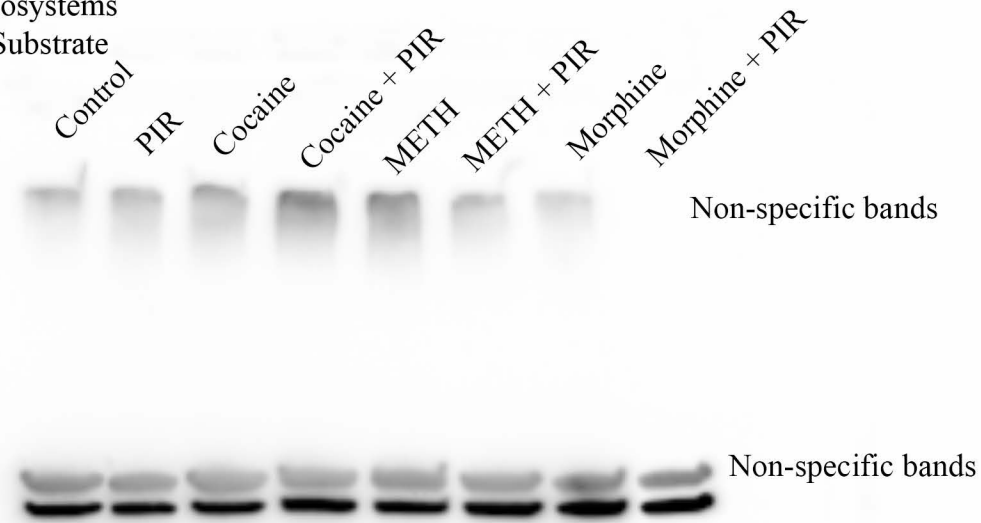Human Primary Astrocyte Sample
Fig. 1 A
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Primary Antibody dilution 1:1000
Secondary Antibody dilution 1:5000

Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

Non-specific bands

Non-specific bands

HDAC2 with marker
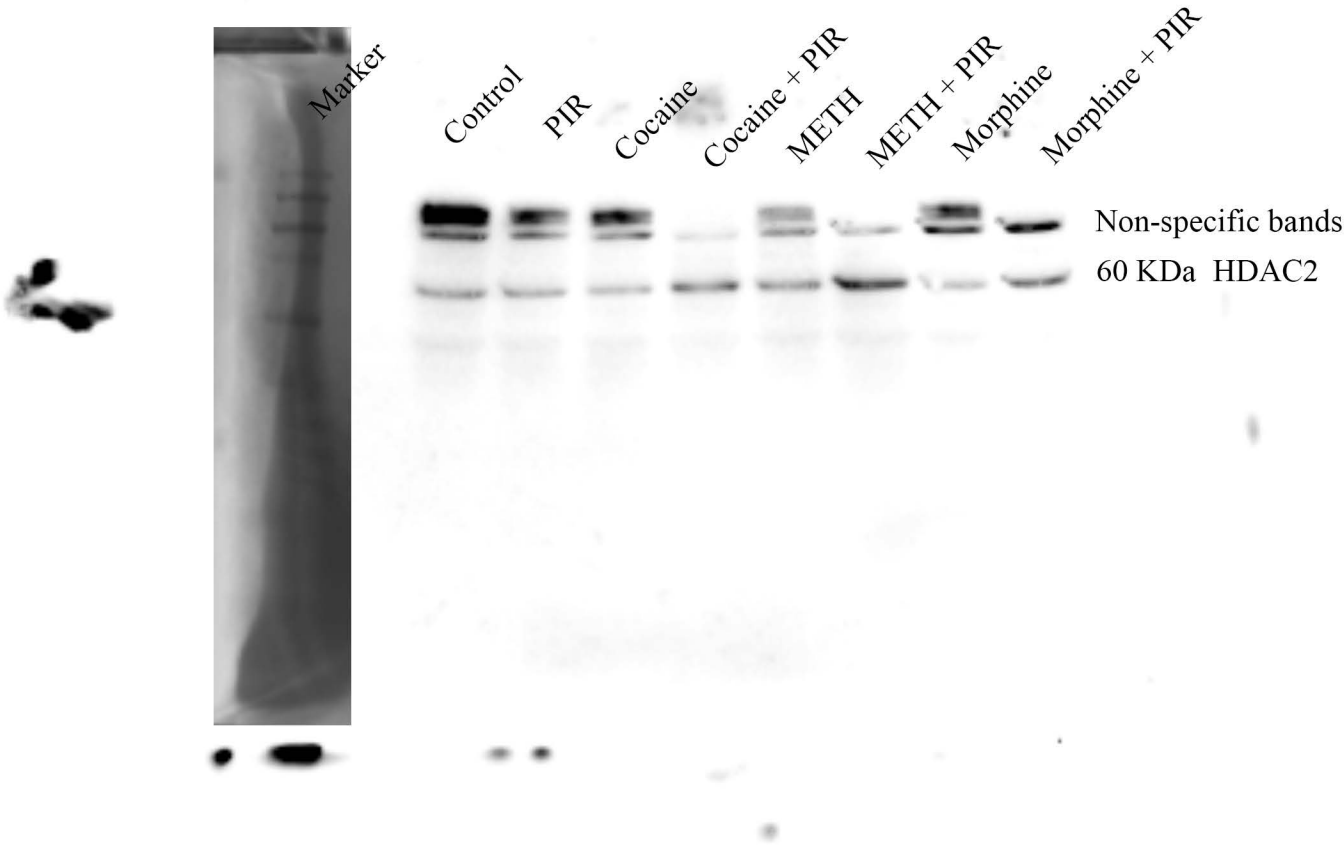Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Marker   Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

Non-specific bands
60 KDa HDAC2

GAPDH for HDAC 2
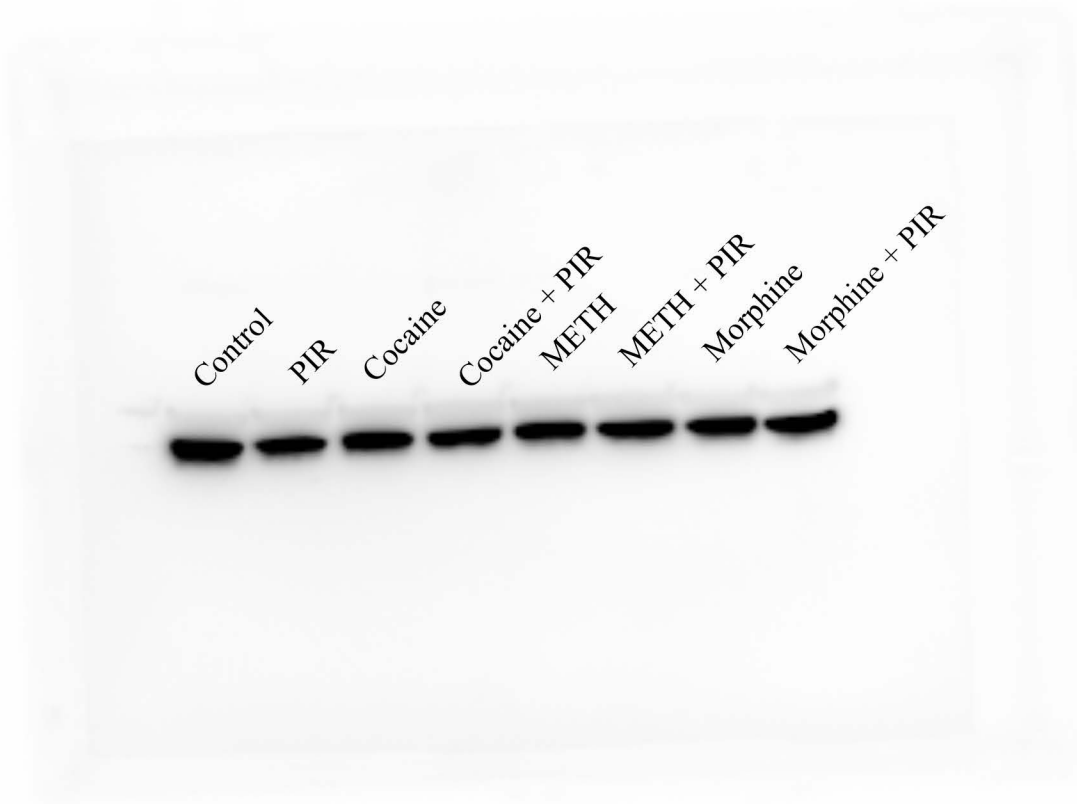Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

HDAC 3
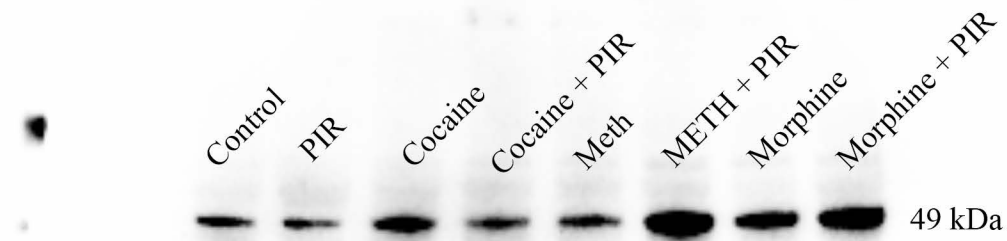Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Control PIR Cocaine Cocaine + PIR Meth METH + PIR Morphine Morphine + PIR

49 kDa

HDAC3 with marker
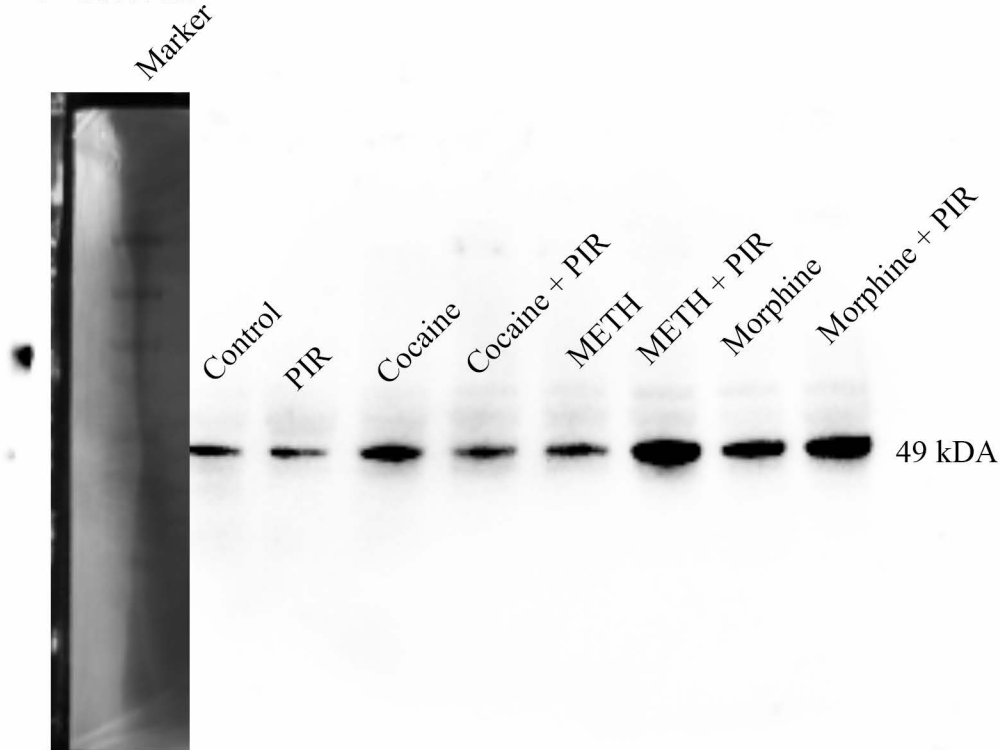Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate
`

49 kDA

GAPDH for HDAC3
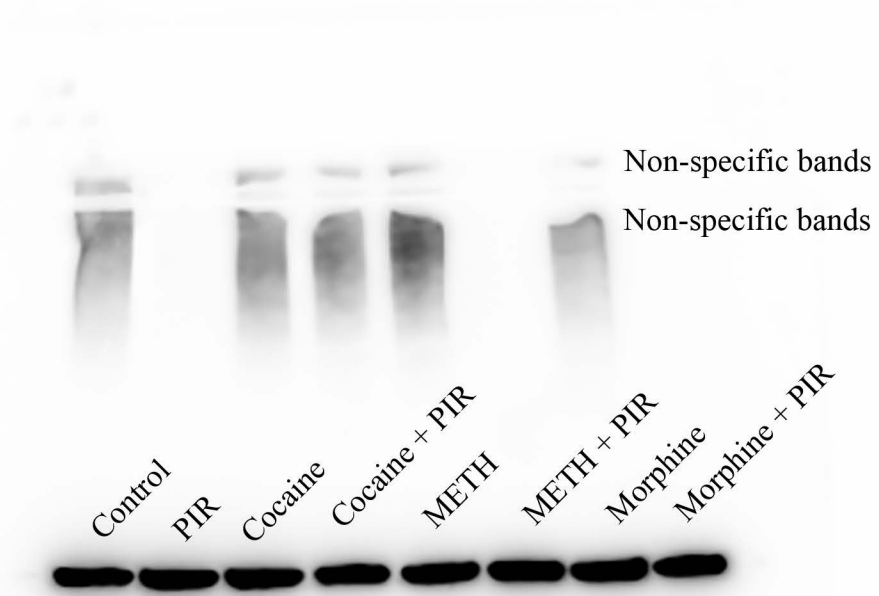Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 1 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Non-specific bands

Non-specific bands

Control

PIR

Cocaine

Cocaine + PIR

METH

METH + PIR

Morphine

Morphine + PIR

HDAC 4
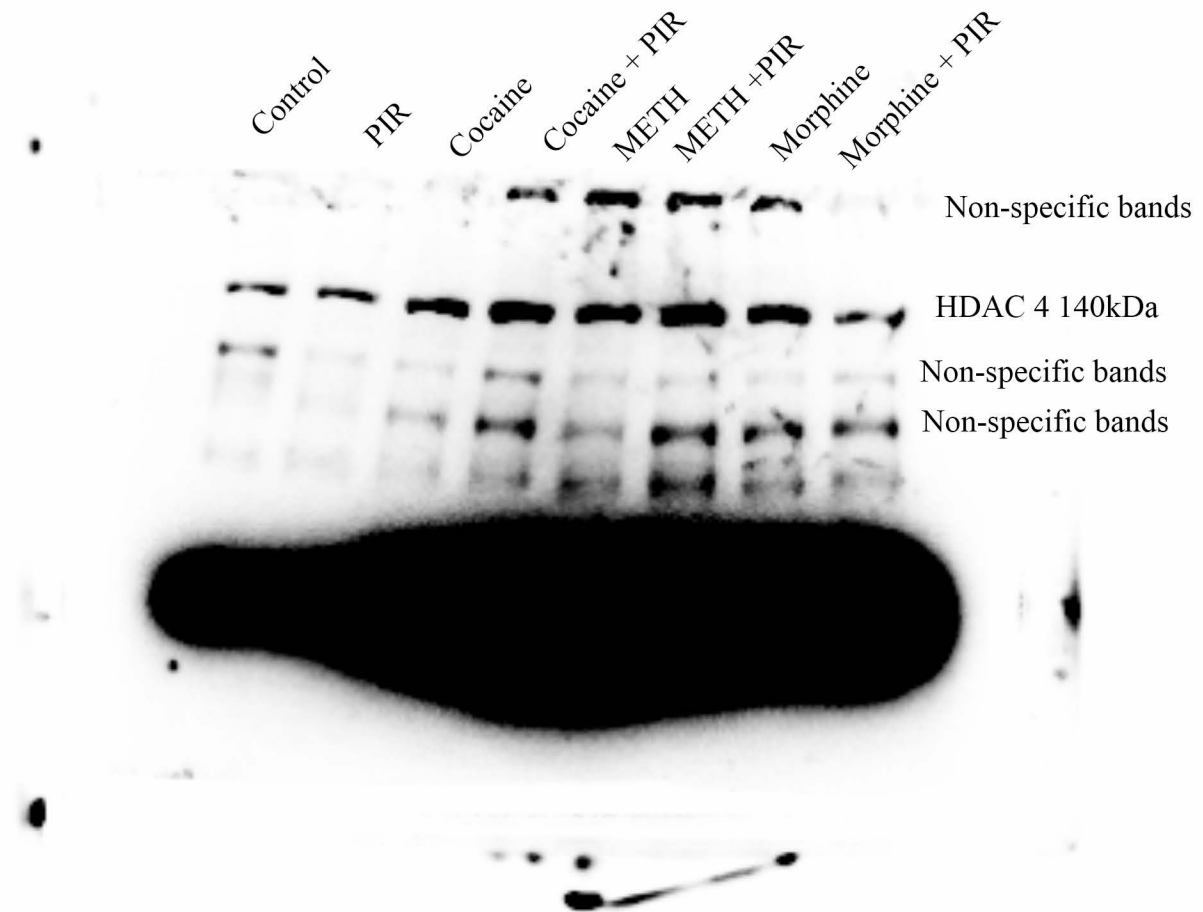Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Control PIR Cocaine Cocaine + PIR METH METH +PIR Morphine Morphine + PIR

Non-specific bands

HDAC 4 140kDa

Non-specific bands
Non-specific bands

HDAC 4 with marker
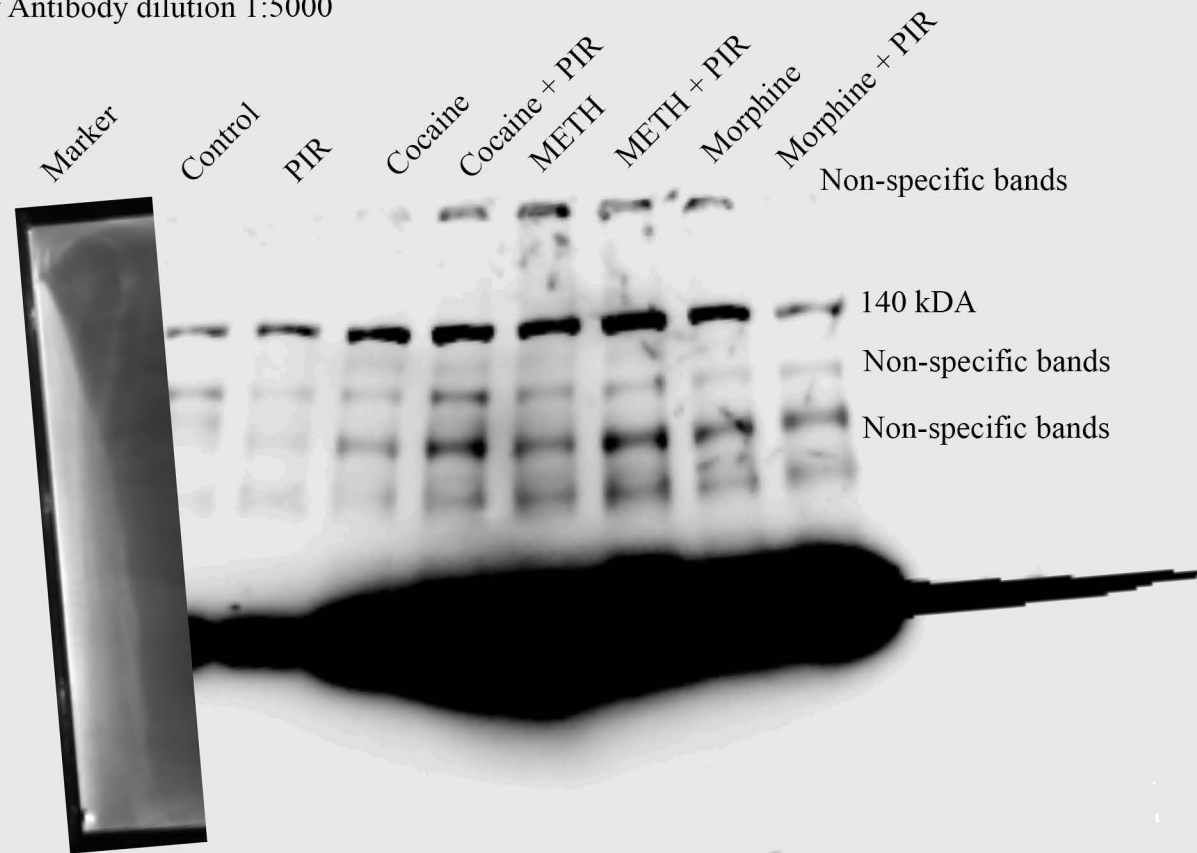Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Marker   Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

Non-specific bands

140 kDA

Non-specific bands

Non-specific bands

GAPDH for HDAC 4
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
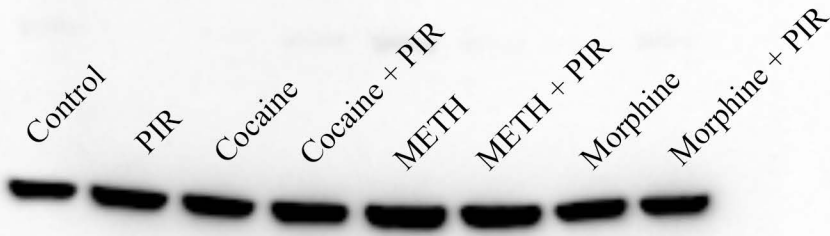Fig. 2 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate
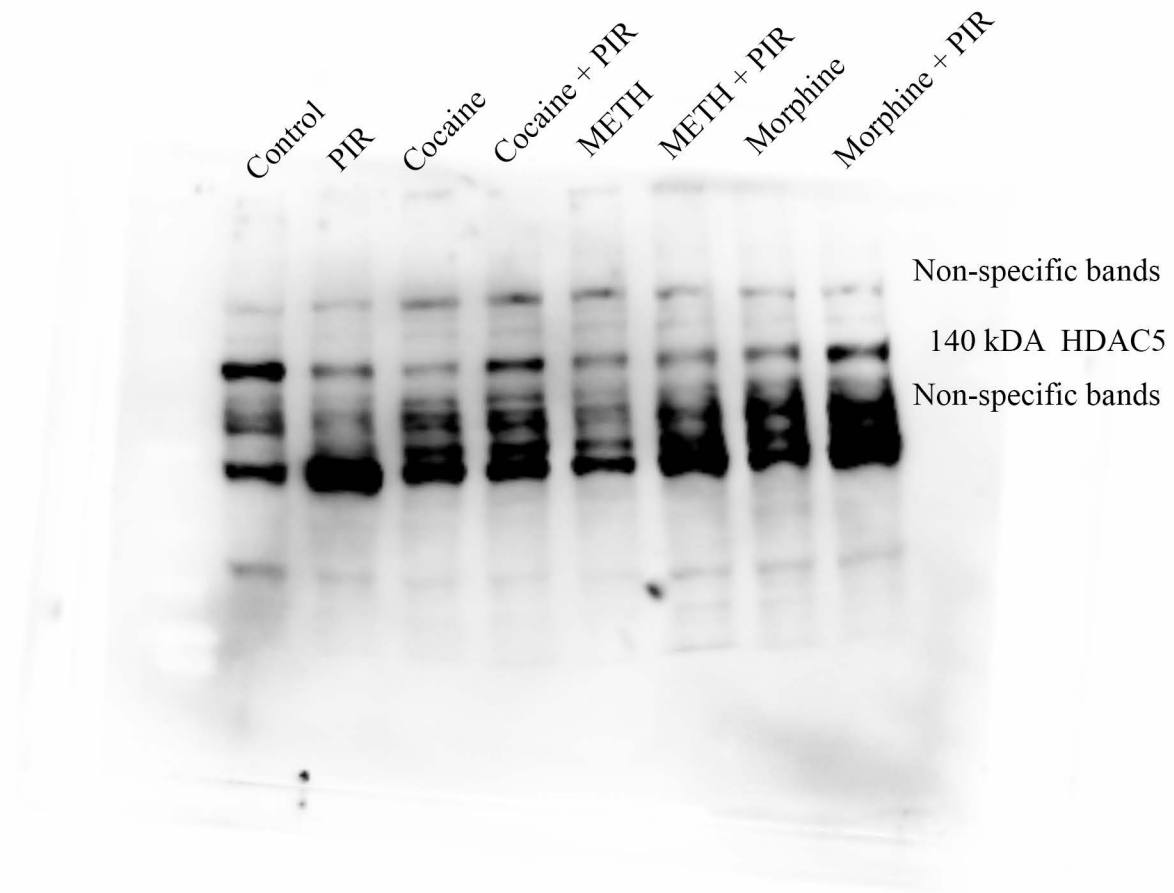
HDAC 5
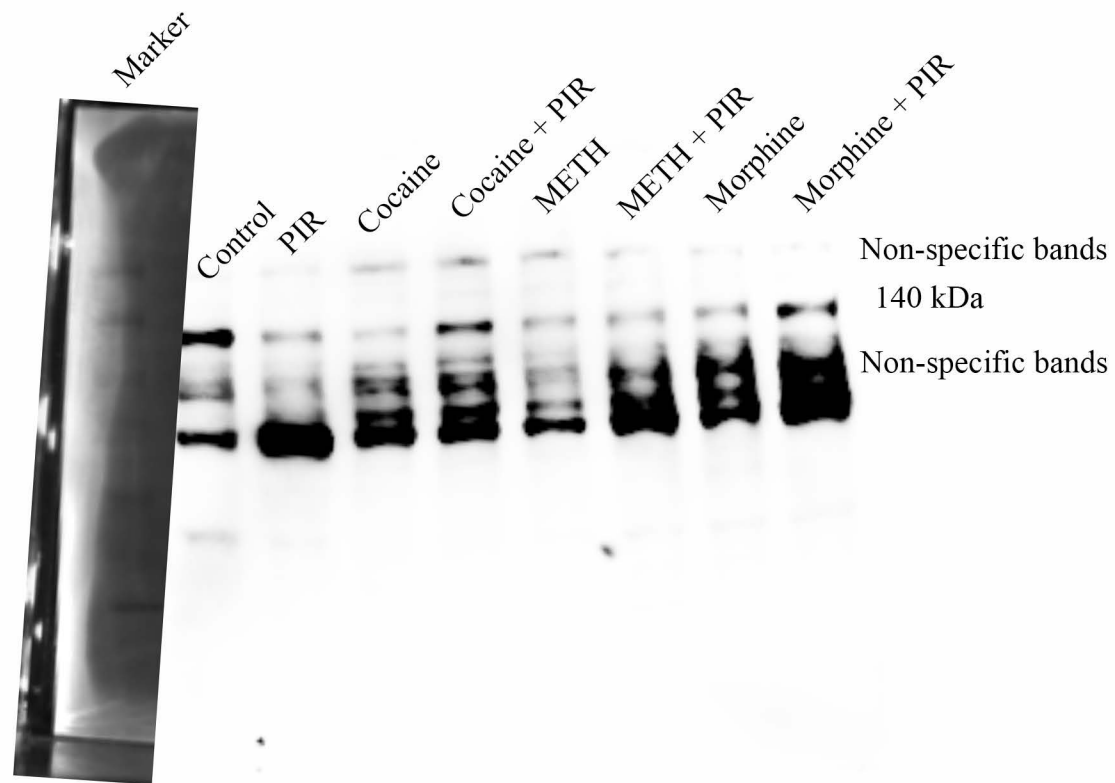Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

Non-specific bands

140 kDA HDAC5

Non-specific bands

HDAC5 with marker
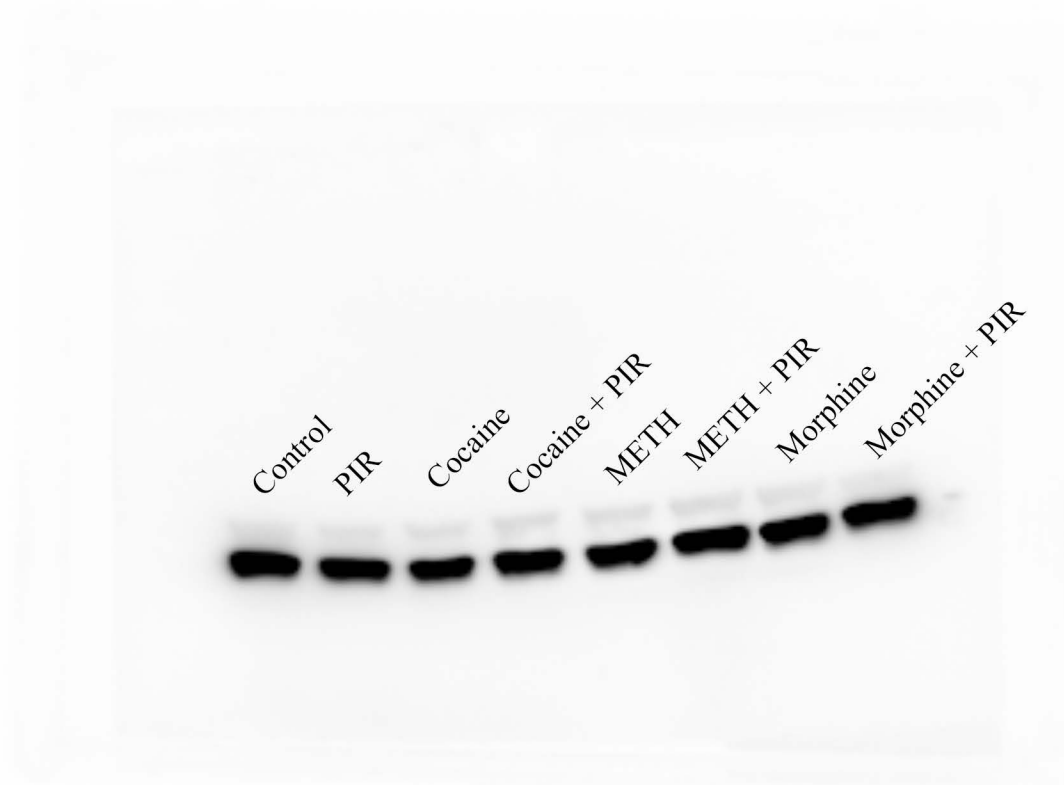Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Marker Control PIR Cocaine Cocaine + PIR METH METH + PIR Morphine Morphine + PIR

Non-specific bands
140 kDa
Non-specific bands

GAPDH for HDAC 5
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate
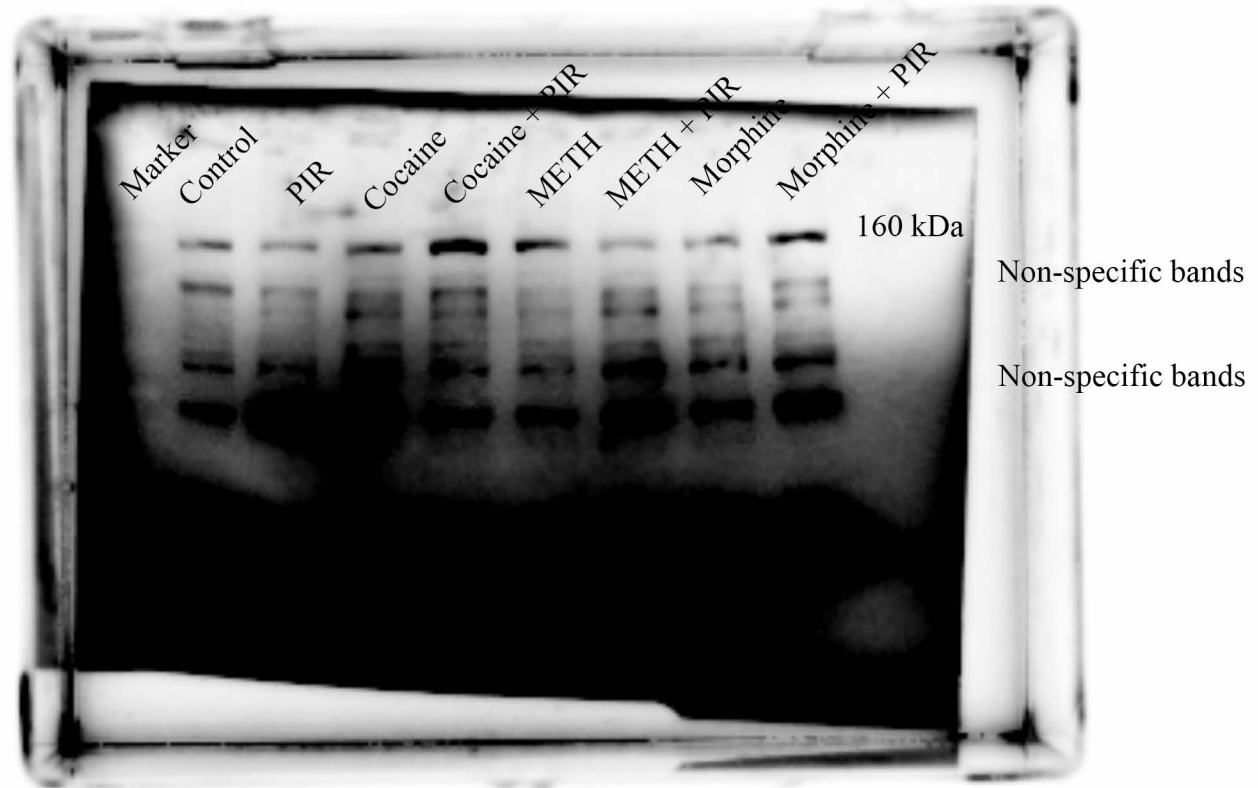
HDAC 6

Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

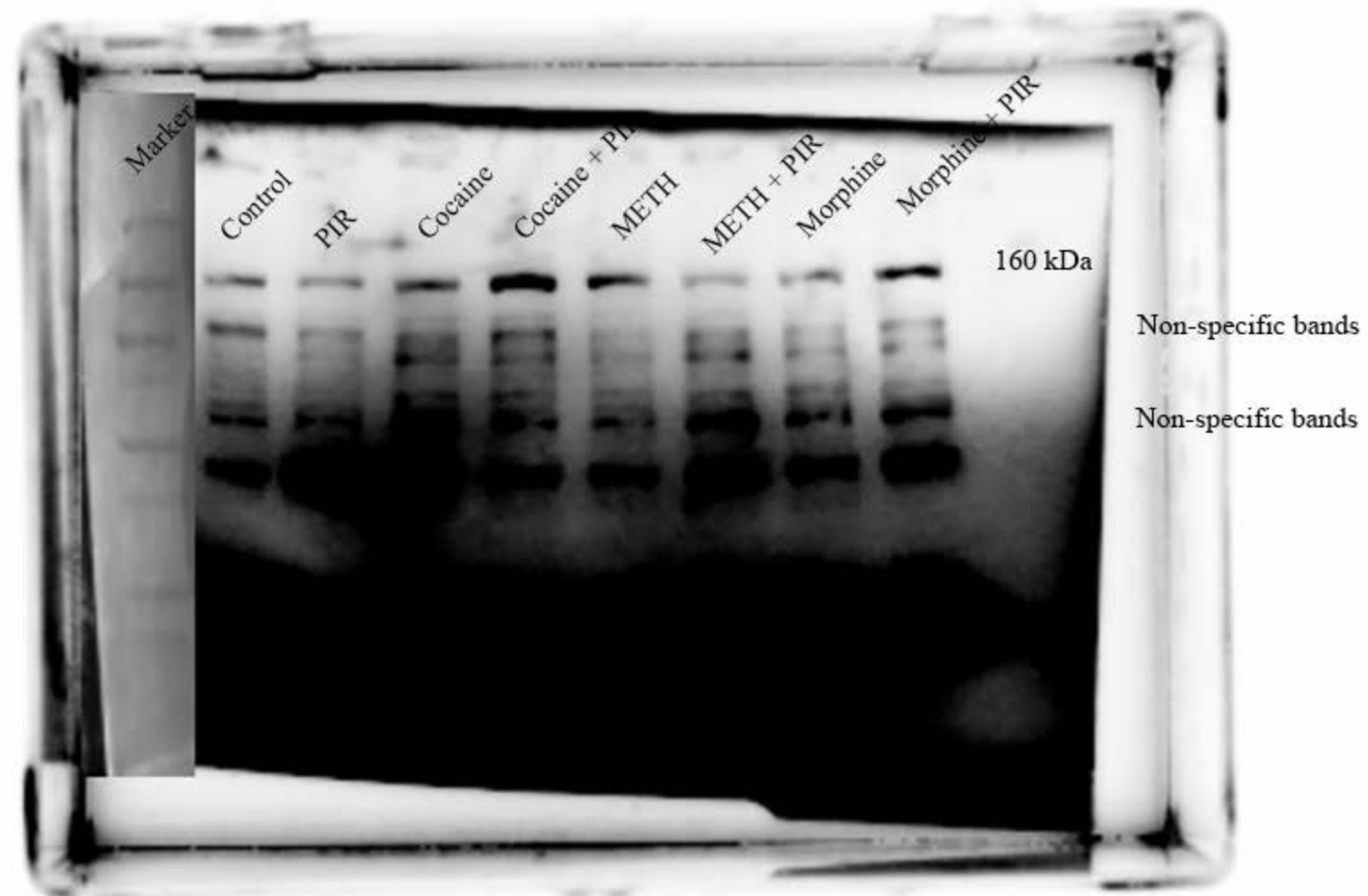Fig. 2 C   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems

BIORAD: Clarity Western ECL Substrate

HDAC6 with marker
Human Primary Astrocyte Sample
Fig. 2 C
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Primary Antibody dilution 1:1000
Secondary Antibody dilution 1:5000

Marker

Control
PIR
Cocaine
Cocaine + PIR
METH
METH + PIR
Morphine
Morphine + PIR

160 kDa

Non-specific bands

Non-specific bands

GAPDH for HDAC 6
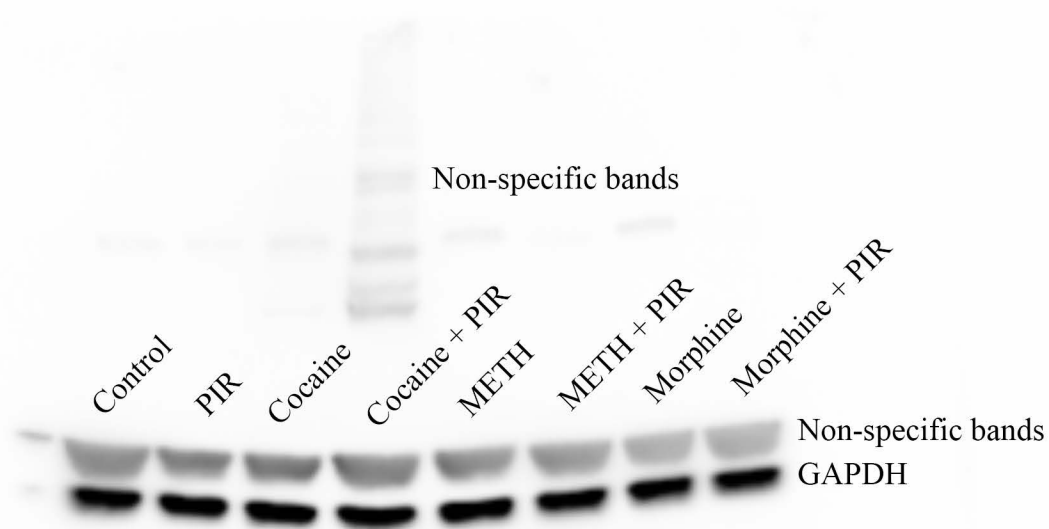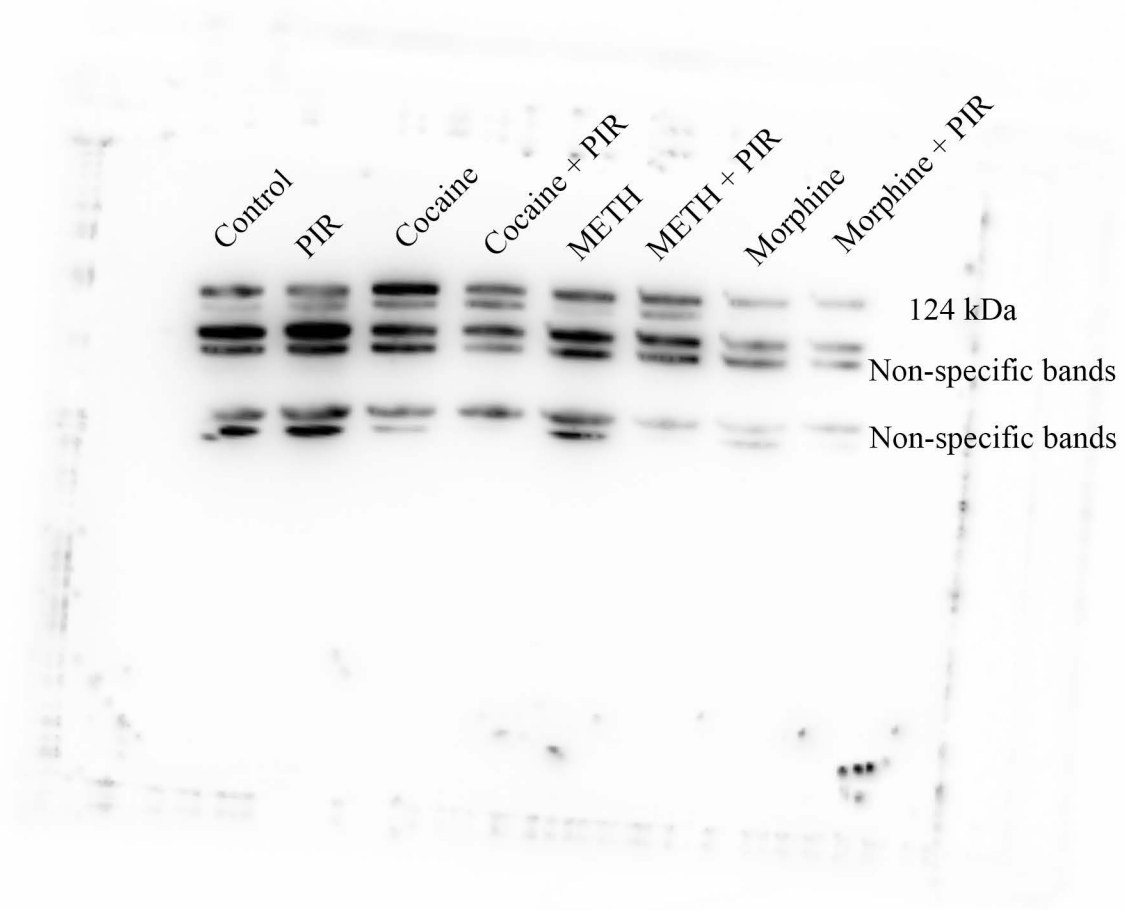Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Non-specific bands

Control PIR Cocaine Cocaine + PIR METH METH + PIR Morphine Morphine + PIR

Non-specific bands
GAPDH

HDAC 7
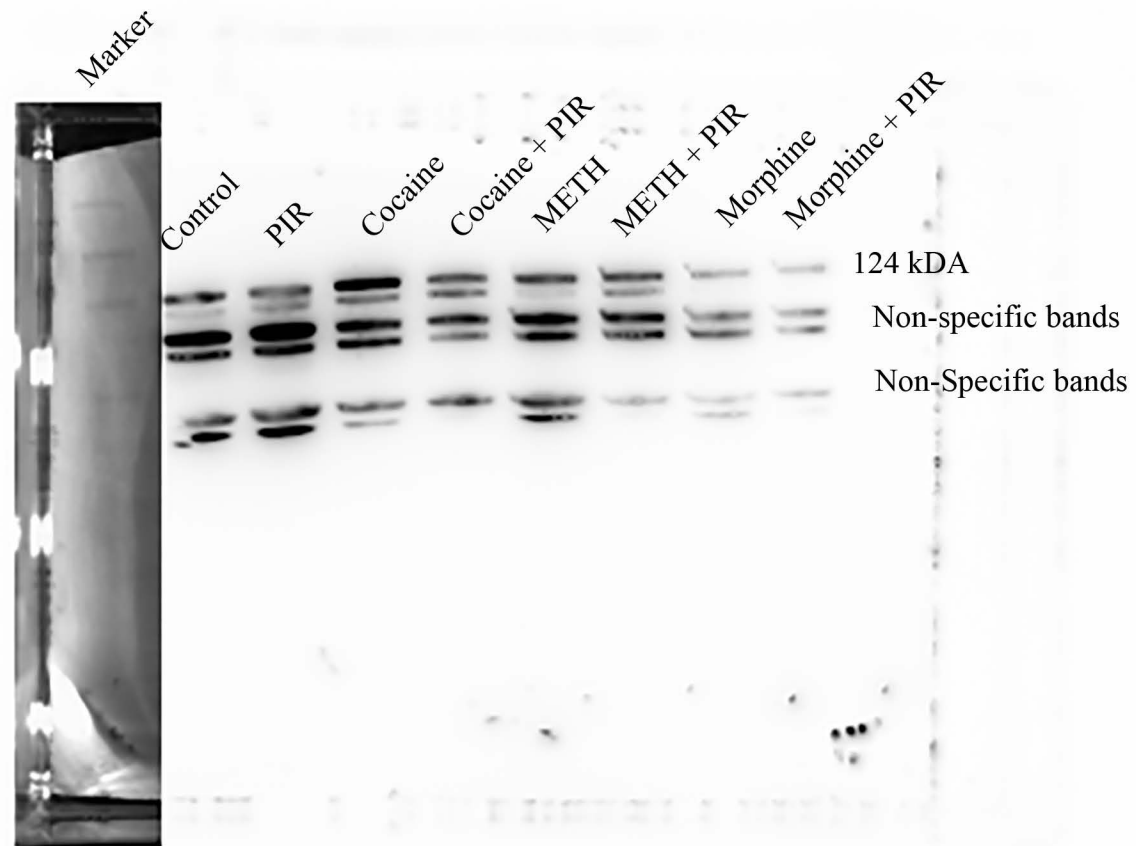Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 D   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

HDAC 7 with marker

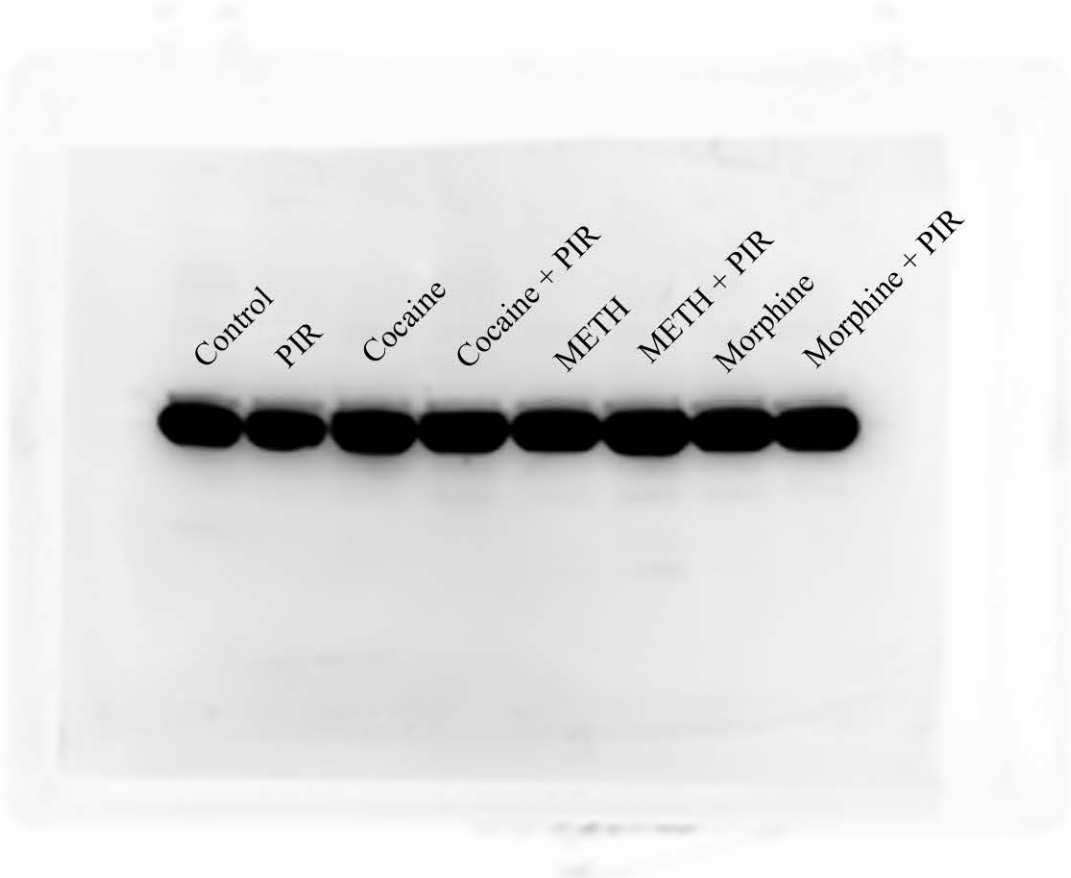Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

Fig. 2 D   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems

BIORAD: Clarity Western ECL Substrate

Marker

Control PIR Cocaine Cocaine + PIR METH METH + PIR Morphine Morphine + PIR

124 kDA

Non-specific bands

Non-Specific bands

GAPDH for HDAC 7
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 2 D   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate
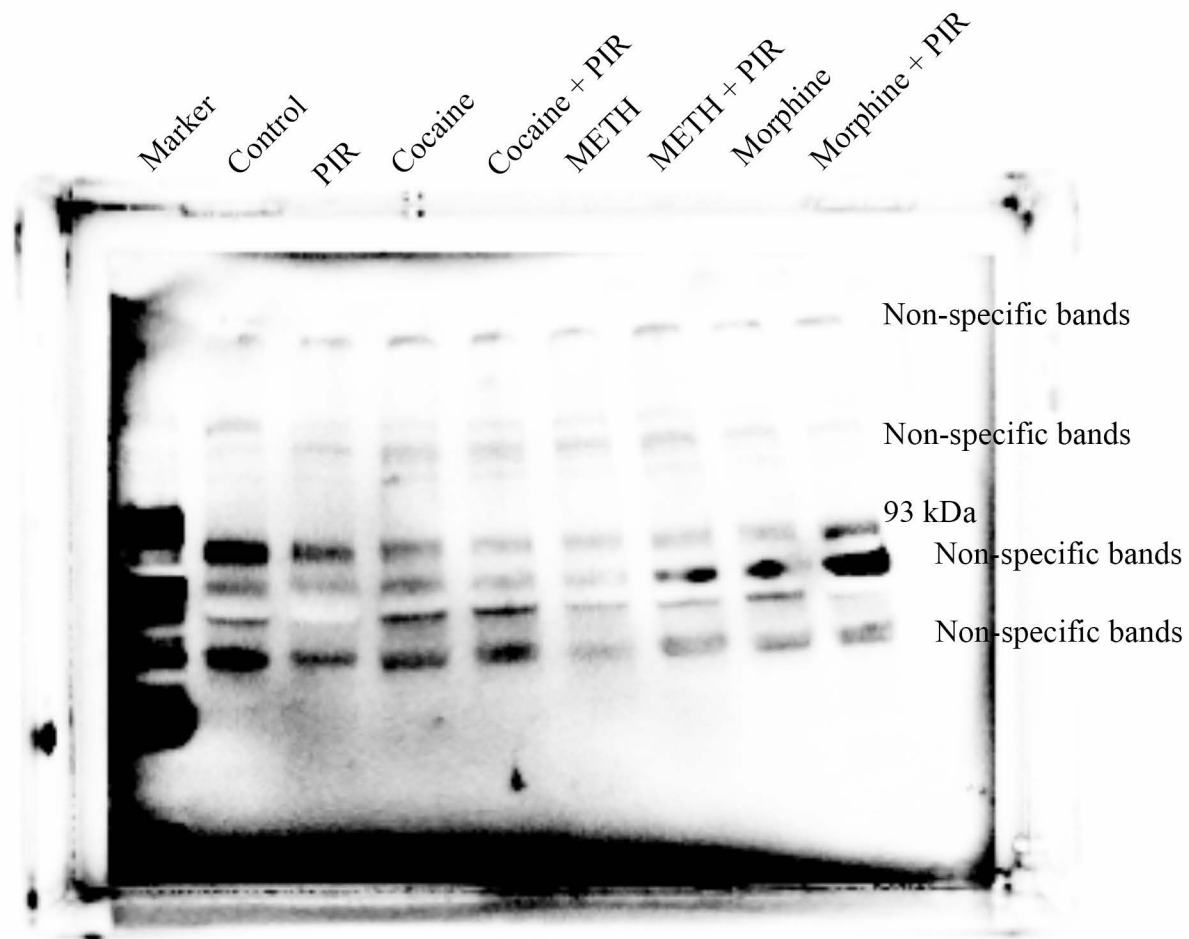
PCAF
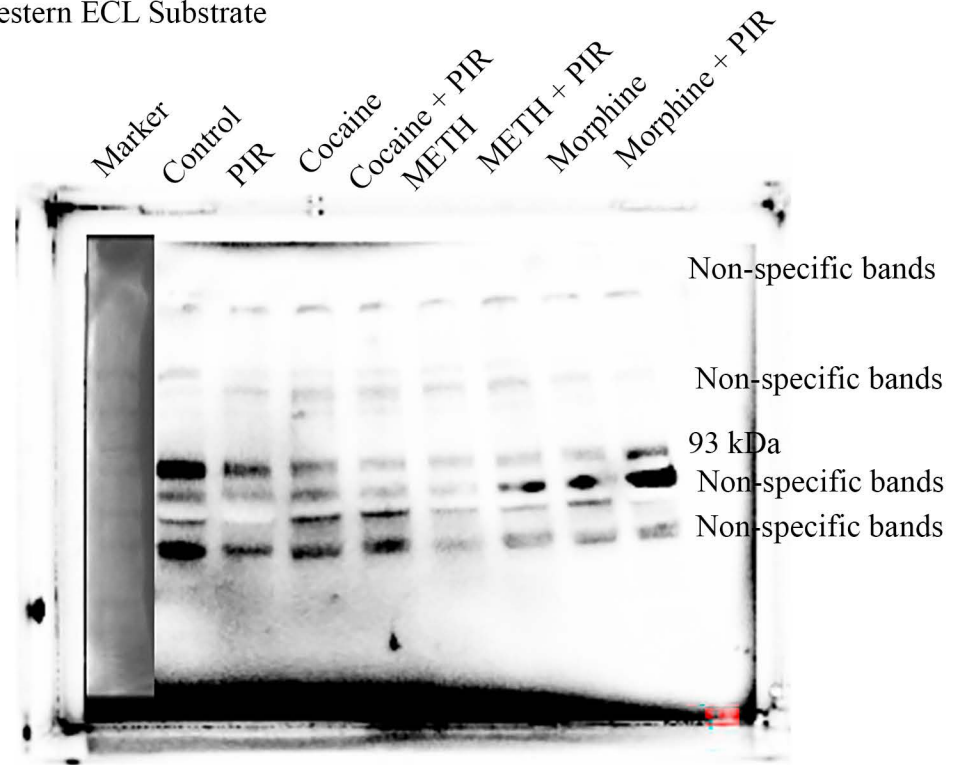Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

PCAF with marker
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

GAPDH for PCAF

Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

Fig. 3 A   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems
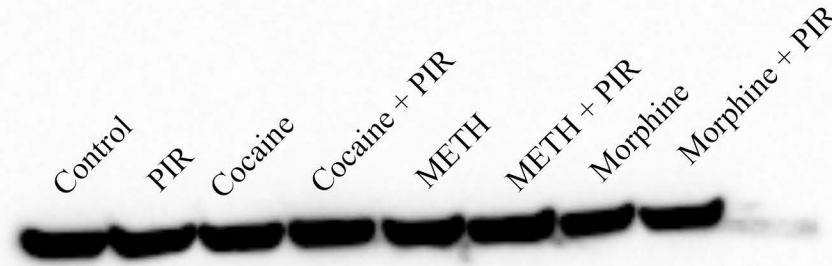
BIORAD: Clarity Western ECL Substrate

P300
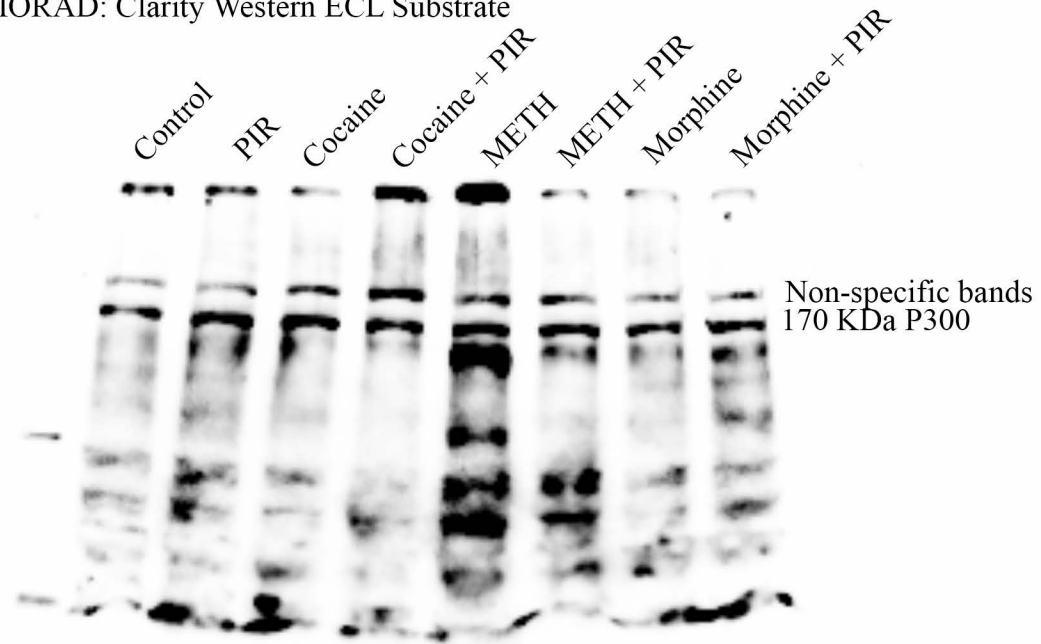Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

Non-specific bands
170 KDa P300

P300 with marker
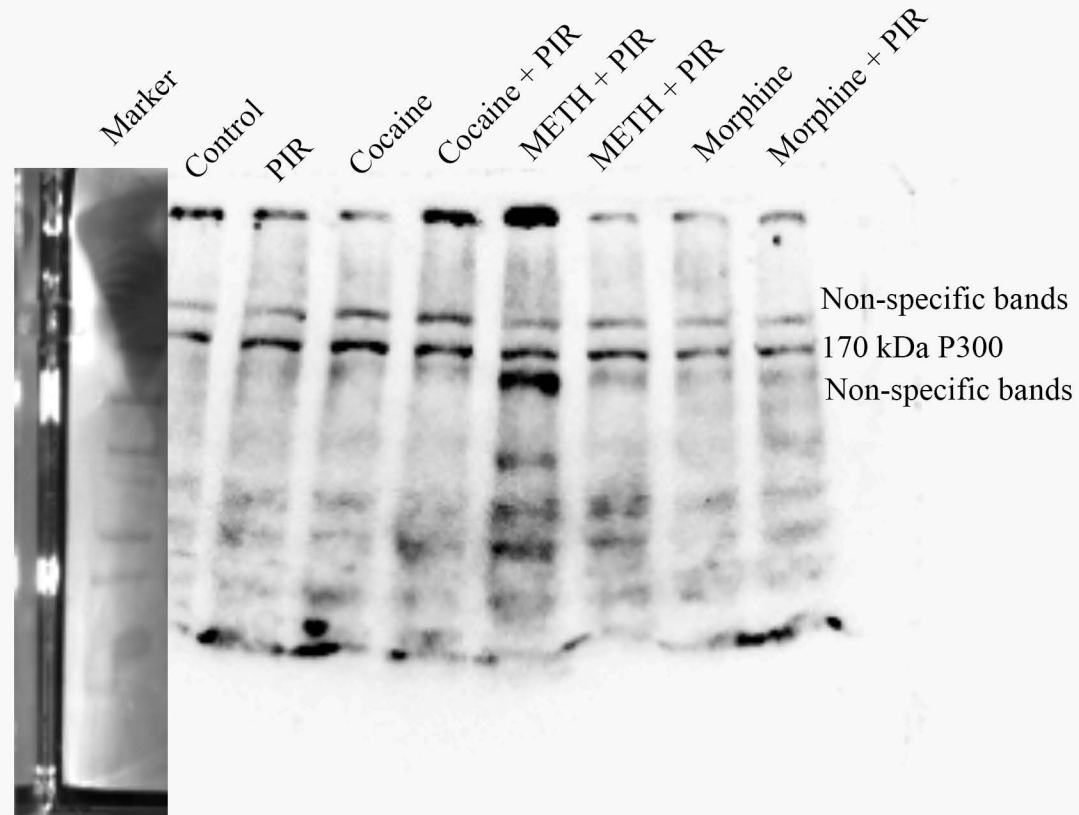Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

GAPDH for P300
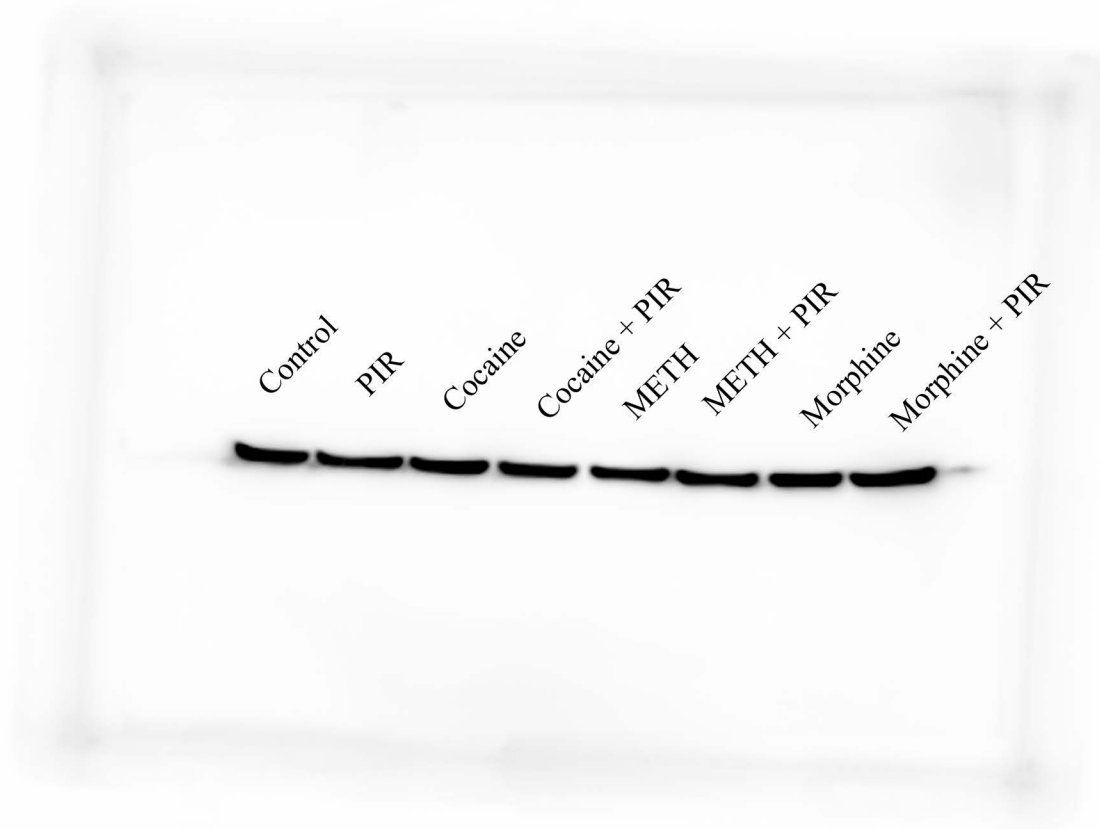Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

GCN 5
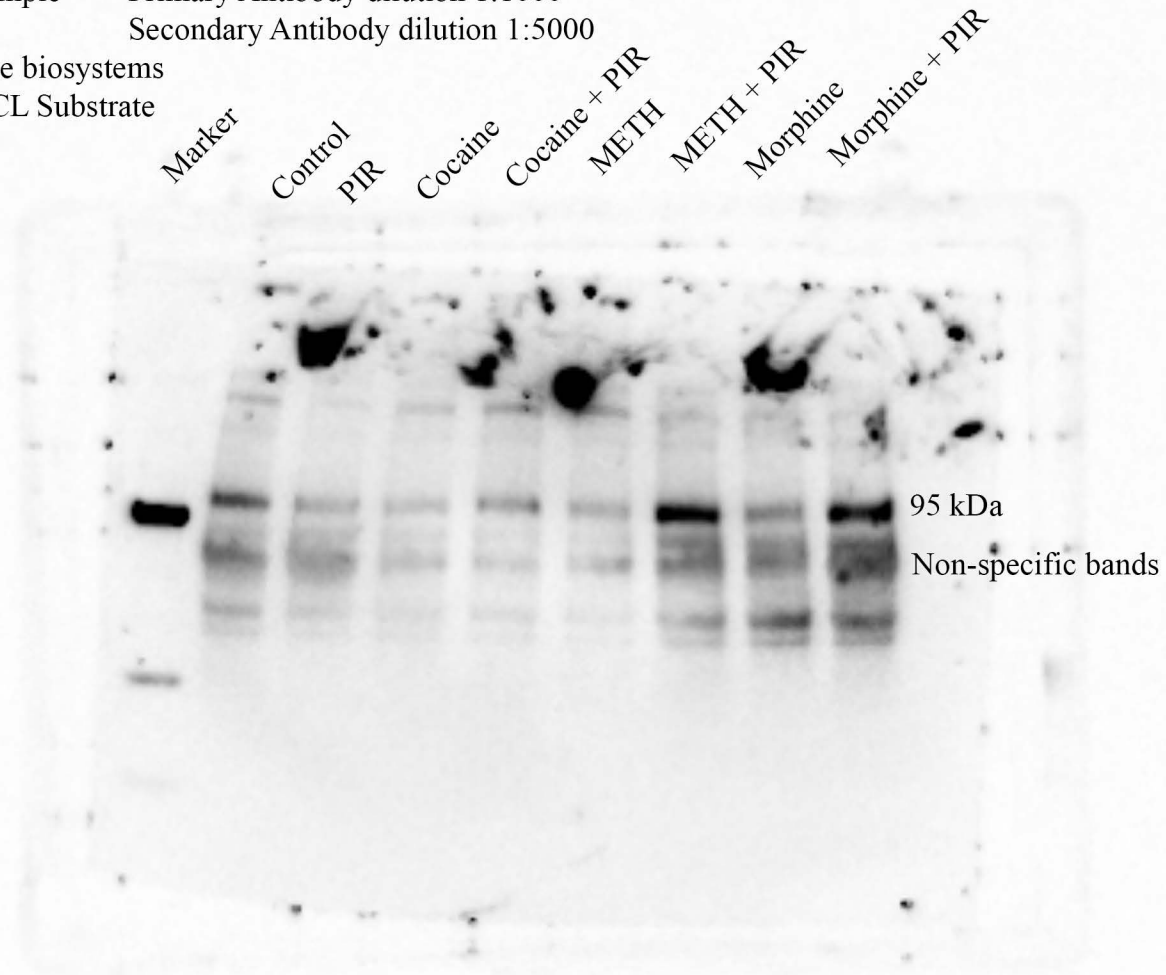Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Marker   Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR

95 kDa

Non-specific bands

GCN5 with marker
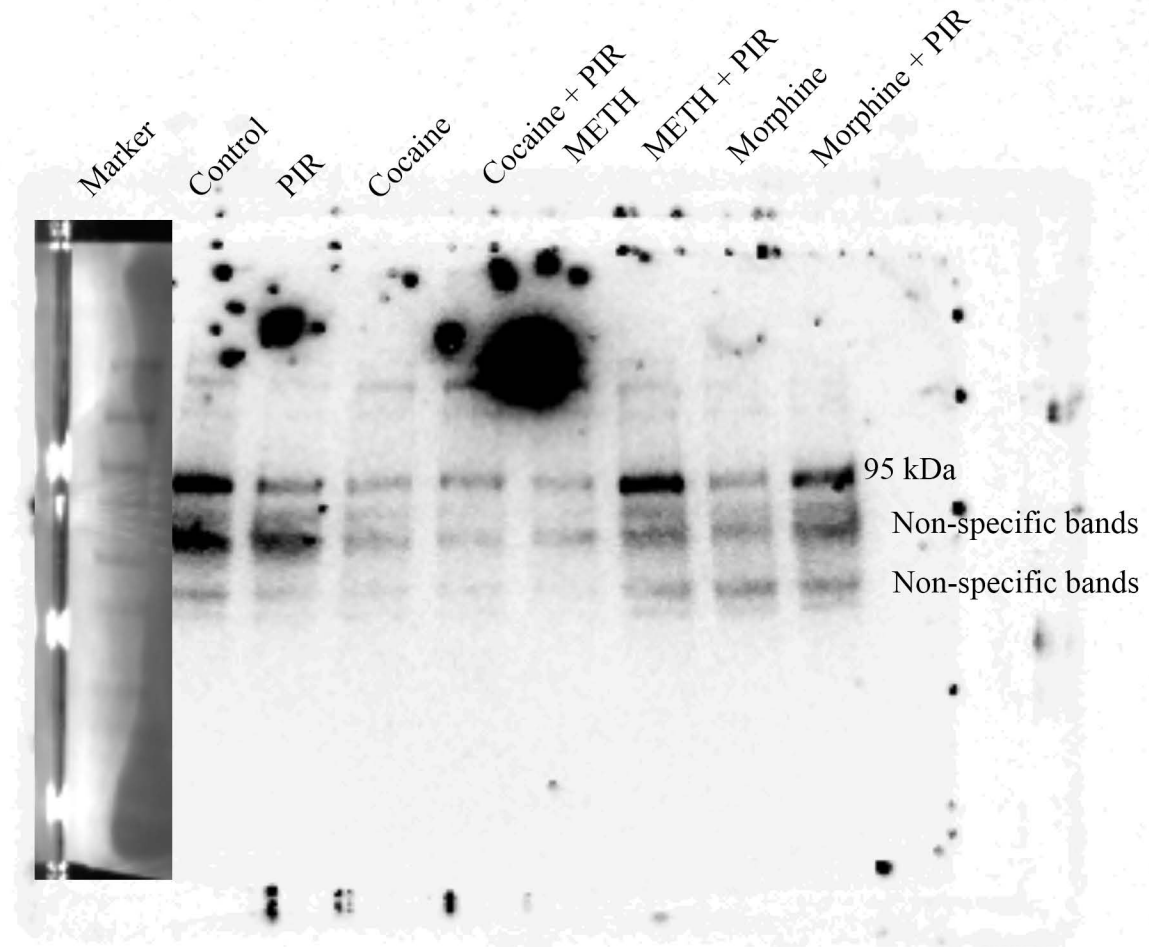Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Marker Control PIR Cocaine Cocaine + PIR METH METH + PIR Morphine Morphine + PIR

95 kDa

Non-specific bands

Non-specific bands

GAPDH for GCN5
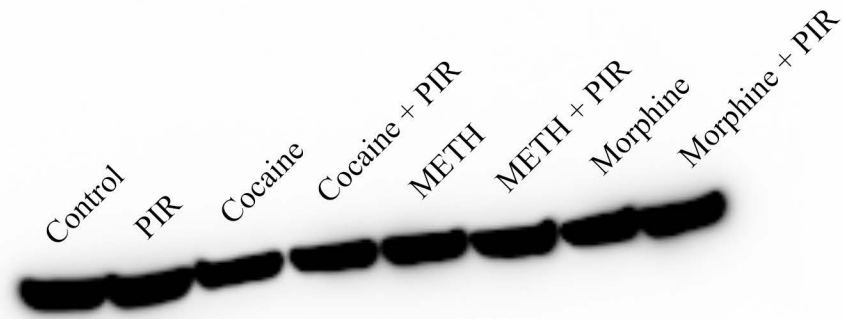Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 3 C   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K9AC
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K9AC with Marker
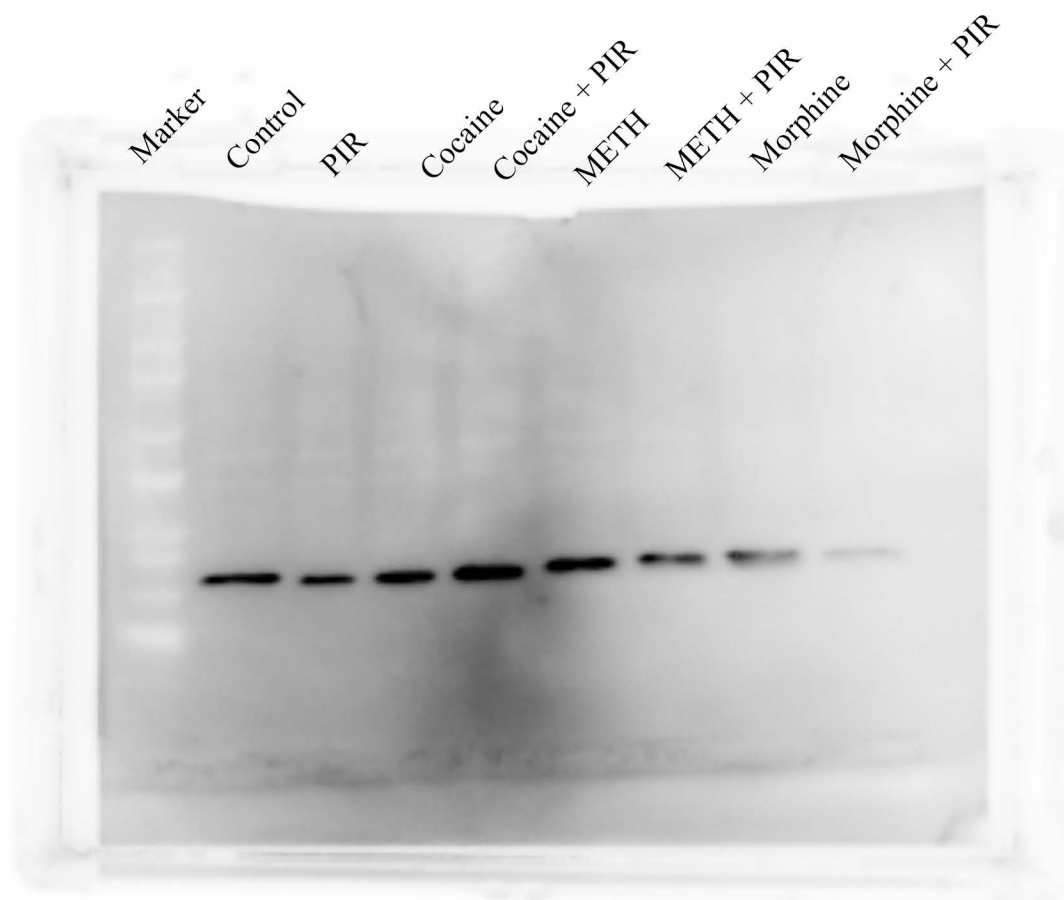Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 A   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K14AC
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
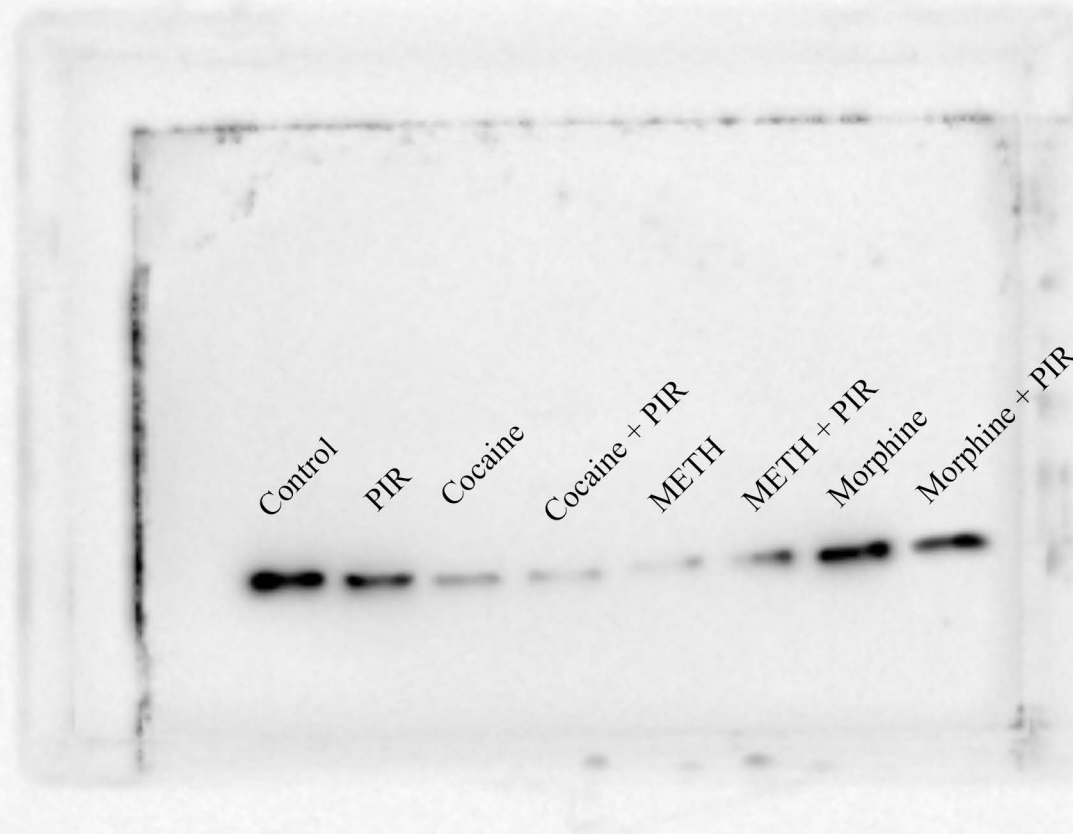Fig. 4 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K14AC with Marker
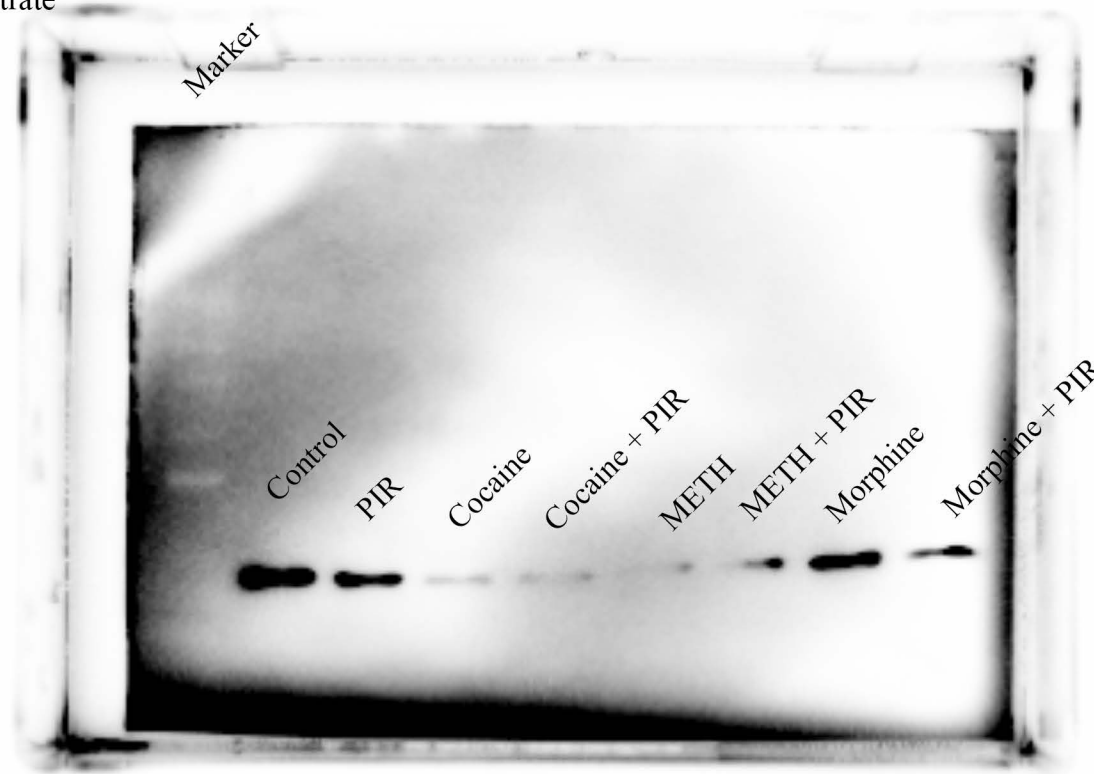Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 B   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K18AC

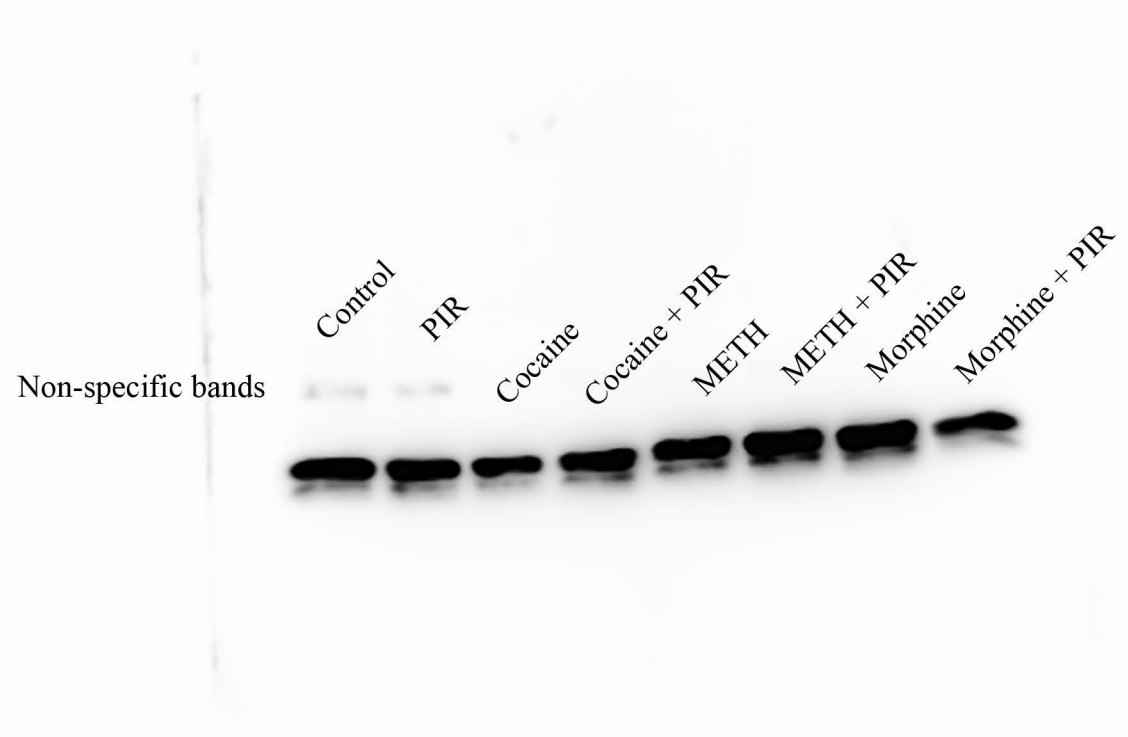Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

Fig. 4 C   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems

BIORAD: Clarity Western ECL Substrate

Control PIR Cocaine Cocaine + PIR METH METH + PIR Morphine Morphine + PIR

Non-specific bands

H3k27AC

Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

Fig. 4 D   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems

BIORAD: Clarity Western ECL Substrate

H3k27AC with marker
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 D   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate
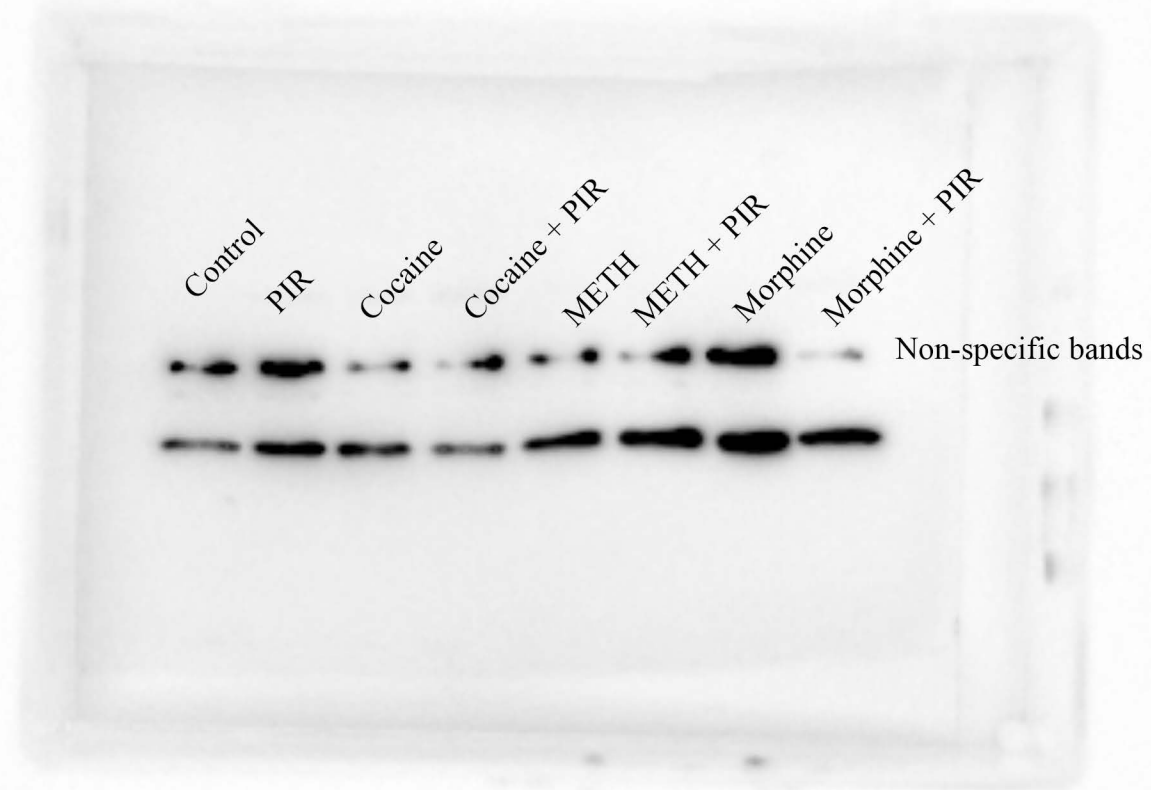
H3K56AC
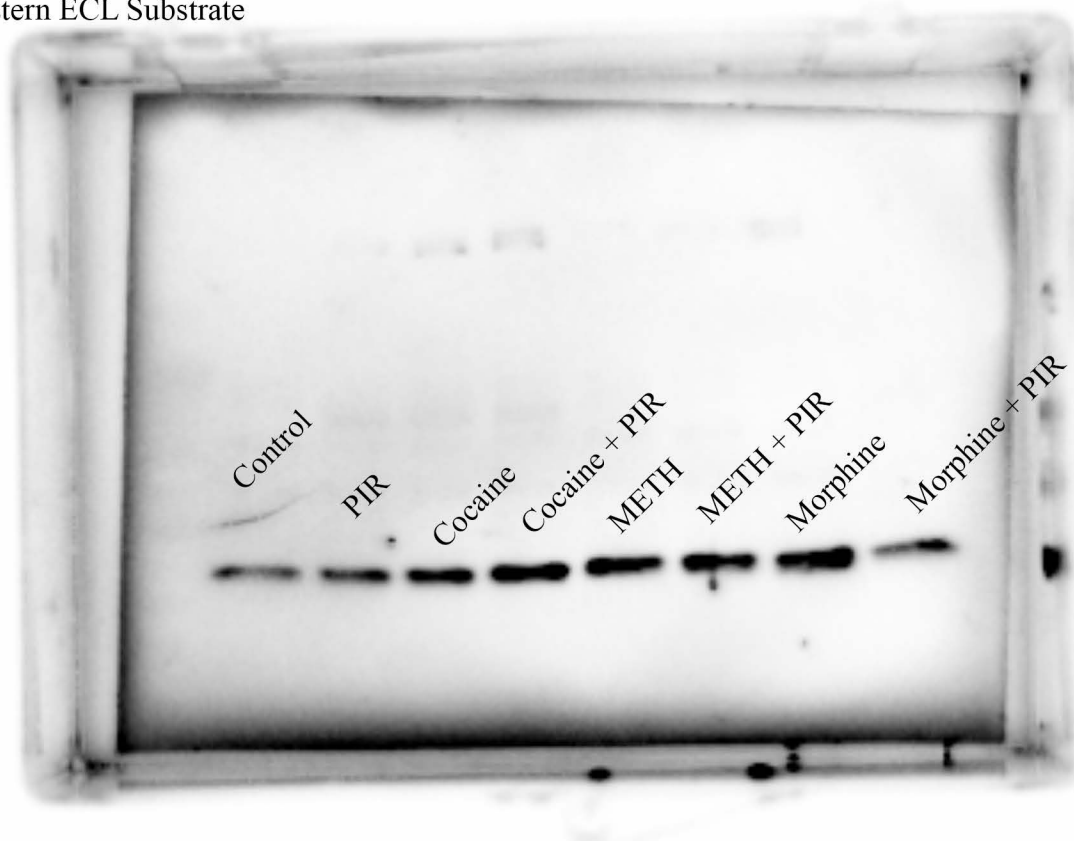Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 E   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

H3K56AC with marker

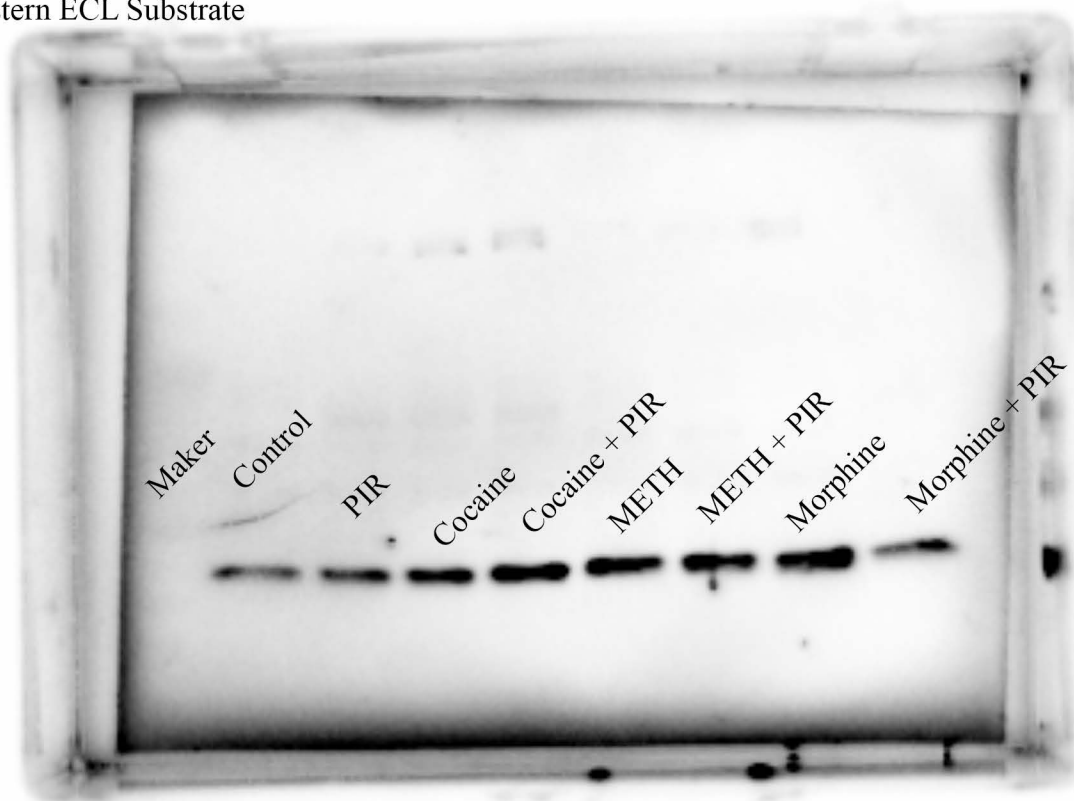Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000

Fig. 4 E   Secondary Antibody dilution 1:5000

Image captured by C300 azure biosystems

BIORAD: Clarity Western ECL Substrate

Total H3
Human Primary Astrocyte Sample   Primary Antibody dilution 1:1000
Fig. 4 F   Secondary Antibody dilution 1:5000
Image captured by C300 azure biosystems
BIORAD: Clarity Western ECL Substrate

Non-specific bands

Control   PIR   Cocaine   Cocaine + PIR   METH   METH + PIR   Morphine   Morphine + PIR