

**Title: Ocoxin modulates cancer stem cells and M2-macrophage polarization in glioblastoma.**

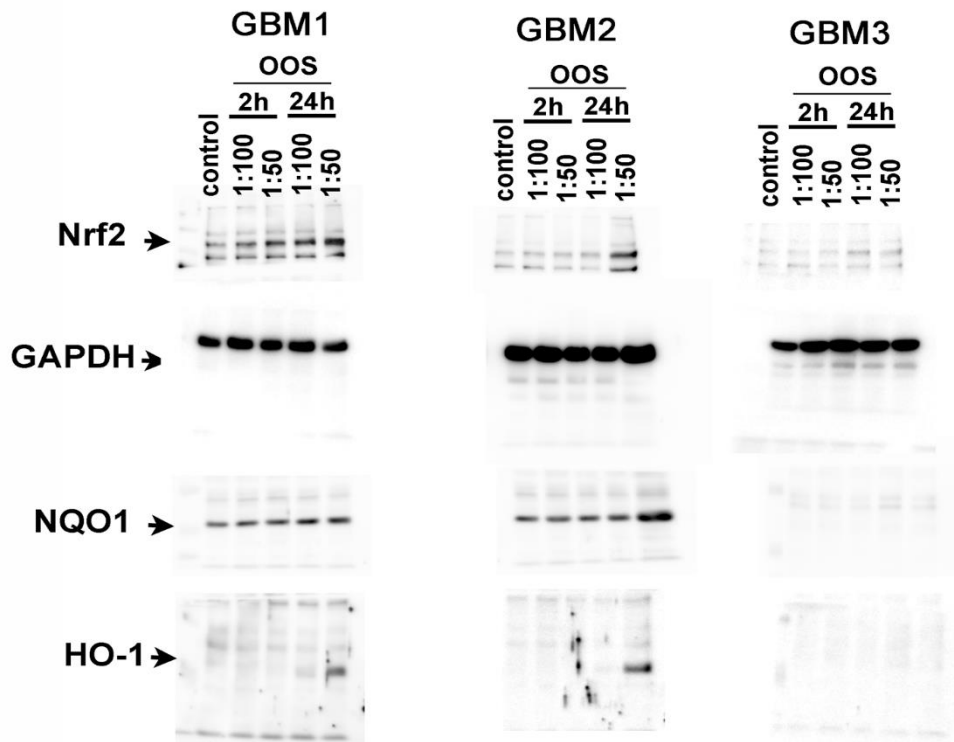
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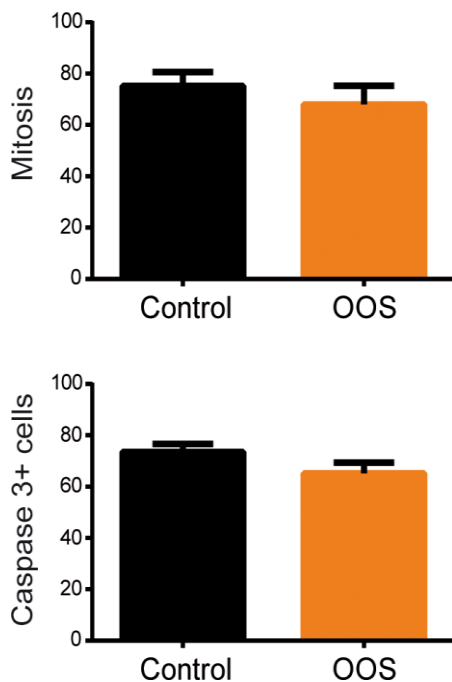
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**Supplementary Figure S1. Full-length blots of Figure 1E.** GBM cells were treated with OOS (1:100 or 1:50) for 2 or 24h and expression of Nrf2, NQO1 and HO-1 was measured by WB. Non-treated spheres were used as a control and the expression of GAPDH as a loading control.



**Supplementary Figure S2. OOS does not induce overall changes in proliferation or cell death in GBM1 tumors.** Paraffin sections of GBM1 flank tumors were stained with hematoxylin-eosin to count the number of mitosis (upper panel) or were stained with Activated Caspase 3 antibody, to count apoptotic cells (lower panel). In both cases, the graphs represent the number of cells counted in 10 fields per tumor (n=10).

<b>Primary antibody</b>	<b>Host species</b>	<b>Use dilution</b>	<b>Provider</b>
<b>Activated Caspase-3</b>	Rabbit	1:100 (IHC)	Cell Signaling
<b>CD44-FITC</b>	Mouse	1:10 (FC)	ImmunoTools
<b>GAPDH</b>	Mouse	1:1000 (WB)	Santa Cruz
<b>HO-1</b>	Rabbit	1:1000 (WB)	Millipore
<b>NQO-1</b>	Goat	1:2000 (WB)	Abcam
<b>Nrf2</b>	Rabbit	1:1000 (WB)	Diagenode

**Supplementary Table S1:** List of primary antibodies for immunohistochemical DAB staining (IHC), flow cytometry (FC) and western blot (WB).

<b>Secondary antibody</b>	<b>Host species</b>	<b>Use dilution</b>	<b>Provider</b>
<b>Biotinylated anti rabbit</b>	horse	1:200 (IHC)	Vector
<b>HRP-conjugated anti goat</b>	rabbit	1:2000 (WB)	Dako
<b>HRP-conjugated anti mouse</b>	sheep	1:5000 (WB)	GE Healthcare
<b>HRP-conjugated anti rabbit</b>	donkey	1:5000 (WB)	GE Healthcare

**Supplementary Table S2:** List of secondary antibodies for immunohistochemical DAB staining (IHC) and western blot (WB).

<b>Gene name</b>	<b>Forward primer 5'-3'</b>	<b>Reverse primer 5'-3'</b>
<i>hACSS1</i>	GGTGGACTCCATGCCTCTT	AGAGCGTTGCTTTGATCTGG
<i>hCAT</i>	TTAATCCATTGATCTCACC	GGCGGTGAGTGTGAGGATAG
<i>hGSR</i>	TGGCACTTGCGTGAATGTTG	CACATAGGCATCCCGCTTTTC
<i>hLDHC1</i>	CTTGACCTGCTGTGACAAT	TTCAGCATGGCAGTCTTTTC
<i>hNESTIN</i>	GCGGCTGCGGGCTACTGAAA	CCAGCTGCTGCCGACCTTCC
<i>hCD133</i>	GCCACCGCTCTAGATACTGC	TGTTGTGATGGGCTTGTCAT
<i>hCD44</i>	AGAAGGTGTGGGCAGAAGAA	AAATGCACCATTTCCTGAGA
<i>hSOX2</i>	GCGAACCATCTCTGTGGTC	AATGGAAAGTTGGGATCGAA
<i>hSOD2</i>	GGCCTACGTGAACAACCTGAA	CTGTAACATCTCCCTTGGCCA
<i>hTUB</i>	TGGAACCCACAGTCATTGATGA	TGATCTCCTTGCCAATGGTGTA
<i>bmActin</i>	CCGGGACCTGACAGACTACCT	GCCATCTCCTGCTCGAAGTCTA
<i>mArg1</i>	TGAGAGACCACGGGGACCTG	GCACCACACTGACTCTTCCATTC
<i>mCcl22</i>	CATCATGGCTACCCTGCGTGTCCC	CCTCCTCCCTAGGACAGTTTATGGA
<i>mCHI3L3</i>	TGGAATTGGTGCCCTACAA	AACTTGCACTGTGTATATTG
<i>mIL18</i>	CATGTACAAAGACAGTGAAGTAAGAGG	TTTCAGGTGGATCCATTTC
<i>mMR</i>	GTAGTACCGGAGGGTGCAGA	TTTGCATCAGTGAAGGTGGA
<i>mNOS2</i>	GAGCTGGGCTGTACAAACCTT	CATTGGAAGTGAAGCGTTTCG
<i>h-mRPII</i>	GCACCACGTCCAATGACAT	GTGCGGCTGCTTCATAA

**Supplementary Table S3:** List of primers used for RT-PCR.