

Mouse OSM Monoclonal Antibody | anti-OSM antibody

OSM antibody

CATALOG # AAA106749	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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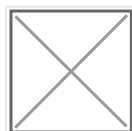
PRODUCT SYNONYMS

OSM; Monoclonal Antibody; OSM antibody; Monoclonal OSM; Anti-OSM; Oncostatin M; anti-OSM antibody

PRODUCT SPECIFICATIONS

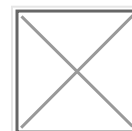
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2B6
Purity/Purification	OSM antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	252
Applicable Applications for anti-OSM antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	Oncostatin M (OSM) is a growth and differentiation factor that participates in the regulation of neurogenesis, osteogenesis and hematopoiesis. Produced by activate T cells, monocytes and Kaposi's sarcoma cells, OSM can exert both stimulatory and inhibitory effects on cell proliferation. It stimulates the proliferation of fibroblasts, smooth muscle cells and Kaposi's sarcoma cells, but, inhibits the growth of some normal and tumor cell lines. It also promotes cytokine release (e. g. IL6, GM-CSF and G-CSF) from endothelial cells, and enhances the expression of low-density lipoprotein receptor in hepatoma cells. OSM share several structural and functional characteristics with LIF, IL6, and CNTF. Human OSM is active on Mouse cells.
Cross-Reactivity	Human
Immunogen	OSM antibody was raised in mouse using a recombinant protein expressed in E Coli corresponding to amino acids 25-252 of human OSM as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant OSM protein (Right) or empty vector (Left) detected with OSM antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of OSM protein in paraffin embedded Human lung tissue using OSM antibody

ADDITIONAL INFORMATION

Related Product Information for anti-OSM antibody	Mouse monoclonal OSM antibody
Product Categories/Family for anti-OSM antibody	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	10092621
NCBI GeneID	5008
NCBI Accession #	NP_065391.1
NCBI GenBank Nucleotide #	NM_020530.4
Molecular Weight	28,484 Da
NCBI Official Full Name	oncostatin-M preproprotein
NCBI Official Synonym Full Names	oncostatin M
NCBI Official Symbol	OSM
NCBI Protein Information	oncostatin-M
UniProt Protein Name	Oncostatin-M
UniProt Gene Name	OSM
UniProt Synonym Gene Names	OSM
UniProt Entry Name	ONCM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/osm-antibody-clone-2b6-western-blot-immunohistochemistry-elisa/106749>