

anti-Human Oncostatin M Polyclonal Antibody | anti-OSM antibody

Anti-Oncostatin M Antibody

CATALOG # AAA46343	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Oncostatin M; Polyclonal Antibody; Anti-Oncostatin M Antibody; Oncostatin-M; MGC20461; ONCM_HUMAN; Oncostatin M precursor; OSM antibody; oncostatin M; anti-OSM antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	231
Applicable Applications for anti-OSM antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Oncostatin M recombinant protein (Position: A26-R220). Human Oncostatin M shares 47.1% and 47.6% amino acid (aa) sequence identity with mouse and rat Oncostatin M, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Oncostatin M Picoband antibody, AAA46343, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)

Anti- Oncostatin M Picoband antibody, AAA46343, Western blottingAll lanes: Anti Oncostatin M (AAA46343) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: HUT Whole Cell Lysate at 40ugLane 3: JURKAT Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 28KDObserved bind size: 40KD

ADDITIONAL INFORMATION

Related Product Information for anti-OSM antibody	Description: Rabbit IgG polyclonal antibody for Oncostatin-M(OSM) detection. Tested with WB, IHC-P, ELISA in Human. Background: OSM (ONCOSTATIN M) is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. OSM is mapped on 22q12.2. It has the ability to inhibit the growth of human A375 melanoma cells but not normal human fibroblasts. Treatment with recombinant OSM leads to the inhibition of proliferation and changes in cellular morphology of a number of tumor cell lines derived from a wide variety of tissue types. OSM also has the ability to inhibit the proliferation of murine M1 myeloid leukemic cells and can induce their differentiation into macrophage-like cells, a function shared by LIF, CSF3, and IL6. The direction of gene transcription was telomeric to centromeric, with the OSM gene located upstream of the LIF gene.
References	1. Miles, S. A., Martinez-Maza, O., Rezai, A., Magpantay, L., Kishimoto, T., Nakamura, S., Radka, S. F., Linsley, P. S. Oncostatin M as a potent mitogen for AIDS-Kaposi's sarcoma-derived cells. Science 255: 1432-1434, 1992. 2. Modur, V., Feldhaus, M. J., Weyrich, A. S., Jicha, D. L., Prescott, S. M., Zimmerman, G. A., McIntyre, T. M. Oncostatin M is a proinflammatory mediator: in vivo effects correlate with endothelial cell expression of inflammatory cytokines and adhesion molecules. J. Clin. Invest. 100: 158-168, 1997. 3. Rose, T. M., Bruce, A. G. Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. Proc. Nat. Acad. Sci. 88: 8641-8645, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	982742417
NCBI GeneID	5008
NCBI Accession #	NP_001306037.1
NCBI GenBank Nucleotide #	NM_001319108.1
UniProt Accession #	P13725; Q6FHP8; Q9UCP6
Molecular Weight	28,484 Da
NCBI Official Full Name	oncostatin-M isoform 2
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.