

Anti-OSM/Oncostatin M Antibody
Catalog # ABO10983**Specification**

Anti-OSM/Oncostatin M Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P13725
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Oncostatin-M(OSM) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-OSM/Oncostatin M Antibody - Additional Information

Gene ID 5008

Other Names

Oncostatin-M, OSM, OSM

Calculated MW

28484 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Protein Name

Oncostatin-M(OSM)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human Oncostatin M(181-198aa ASDAFQRKLEGCRFLHGY).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-OSM/Oncostatin M Antibody - Protein Information**Name** OSM**Function**

Growth regulator. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIFR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration (By similarity).

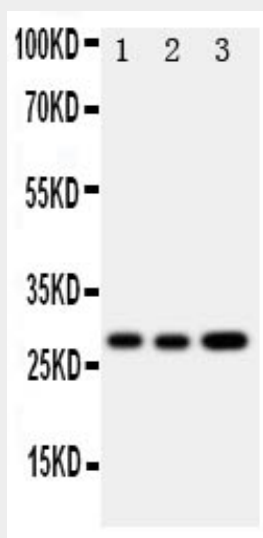
Cellular Location

Secreted.

Anti-OSM/Oncostatin M Antibody - Protocols

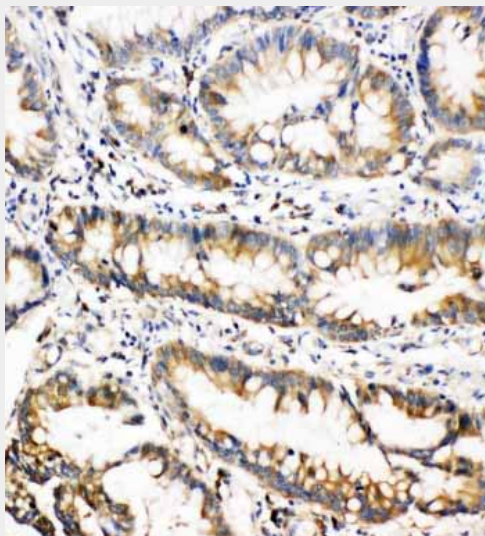
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-OSM/Oncostatin M Antibody - Images

Anti-Oncostatin M antibody, ABO10983, Western blotting All lanes: Anti Oncostatin M (ABO10983)

at 0.5ug/ml Lane 1: A549 Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3:
HELA Whole Cell Lysate at 40ug Predicted bind size: 28KD Observed bind size: 28KD



Anti-Oncostatin M antibody, ABO10983, IHC(P) IHC(P): Human Intestinal Cancer Tissue

Anti-OSM/Oncostatin M Antibody - 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. OSM 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.