

## Anti-Oncostatin M/OSM Antibody

Catalog Number: PA1668

### About OSM

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.

### Overview

Product Name	Anti-Oncostatin M/OSM Antibody
Reactive Species	Human
Description	Rabbit IgG polyclonal antibody for Oncostatin-M(OSM) detection. Tested with WB, IHC-P in Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P13725

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human
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	Oncostatin M(181-198aa ASDAFQRKLEGCRFLHGY).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, By Heat Western blot, 0.1-0.5µg/ml, Human
	For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-Oncostatin M/OSM Antibody (PA1668) Images



Anti-Oncostatin M antibody, PA1668, Western blotting

All lanes: Anti Oncostatin M (PA1668) at 0.5ug/ml

Lane 1: A549 Whole Cell Lysate at 40ug

Lane 2: A549 Whole Cell Lysate at 40ug

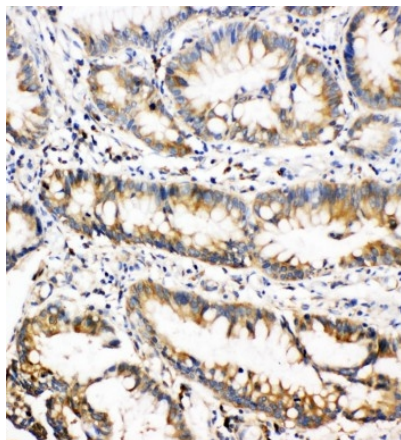
Lane 3: HELA Whole Cell Lysate at 40ug

Predicted bind size: 28KD

Observed bind size: 28KD

Anti-Oncostatin M antibody, PA1668, IHC(P)

IHC(P):Human Intestinal Cancer Tissue



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