

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

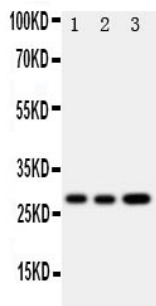
Product Name	Anti-Oncostatin M/OSM Antibody
Reactive Species	Human
Description	Boster Bio Anti-Oncostatin M/OSM Antibody catalog # PA1668. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P13725

Technical Details

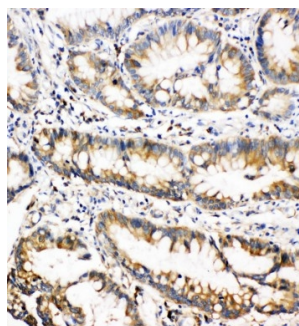
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Oncostatin M.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

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

1 Publications Citing This Product

1. PubMed ID: 25954856, Zhu M, Che Q, Liao Y, Wang H, Wang J, Chen Z, Wang F, Dai C, Wan X. Oncol Rep. 2015 Jul;34(1):129-38. Doi: 10.3892/Or.2015.3951. Epub 2015 May 5. Oncostatin M Activates Stat3 To Promote Endometrial Cancer Invasion And Angiogenesis.

Visit bosterbio.com/anti-oncostatin-m-antibody-pa1668-boster.html to see all 1 publications.

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