

Anti-Oncostatin M/OSM Antibody Picoband®

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

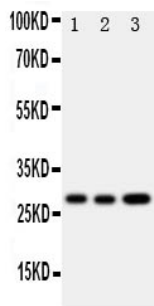
Product Name	Anti-Oncostatin M/OSM Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Oncostatin M/OSM Antibody catalog # PA1668. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

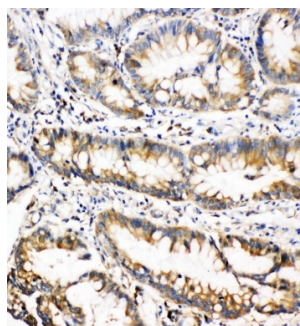
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Oncostatin M.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

Anti-Oncostatin M/OSM Antibody Picoband® (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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