

For Research Use Only

oncostatin M Polyclonal antibody

Catalog Number: 27792-1-AP

2 Publications



Basic Information

Catalog Number: 27792-1-AP	GenBank Accession Number: BC011589	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5008	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P13725	
Isotype: IgG	Full Name: oncostatin M	
Immunogen Catalog Number: AG27093	Calculated MW: 252 aa, 28 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: IHC, IF	WB : MCF-7 cells, Jurkat cells, rat testis tissue
Species Specificity: human, rat	IHC : human colon cancer tissue, human cervical cancer tissue
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Oncostatin M (OSM) is a multifunctional cytokine that belongs to the interleukin-6 (IL-6) family. It is primarily secreted by activated T lymphocytes and macrophages as a 28 kDa glycoprotein. OSM shares properties with all members of this cytokine family, but is most closely related in structure and function to leukemia inhibitory factor (LIF). OSM acts on a variety of cells and is involved in regulating gene activation, cell growth, and inflammatory processes. It is a potent inducer of anti-proteases, has anti-inflammatory properties, acts as an immune modifier, and promotes the deposition of extracellular matrix proteins. In the context of respiratory diseases, OSM may play a significant role in normal wound healing, as well as in remodeling and pathological fibrosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Keitaro Mashimo	33403505	Jpn J Ophthalmol	IF
Peng Xu	37610394	Int J Radiat Oncol Biol Phys	IHC

Storage

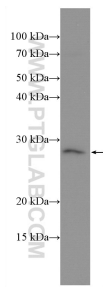
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

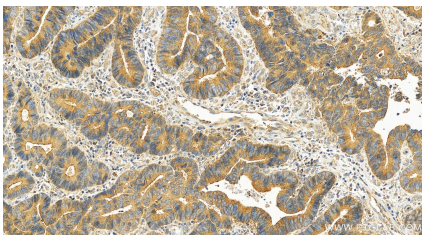
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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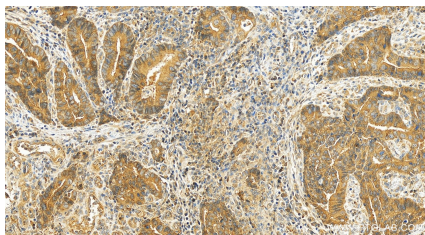
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 27792-1-AP (OSM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27792-1-AP (oncostatin M antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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