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## Datasheet for ABIN3043117 anti-Oncostatin M antibody (Middle Region)

2 Images

1 Publication



#### Overview

Quantity:	100 µg
Target:	Oncostatin M (OSM)
Binding Specificity:	AA 181-198, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Oncostatin M antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Oncostatin-M(OSM) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Oncostatin M(181-198aa ASDAFQRKLEGCRFLHGY).
Sequence:	ASDAFQRKLE GCRFLHGY
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Oncostatin-M(OSM) detection. Tested with WB, IHC-P in Human.

Gene Name: oncostatin M

Protein Name: Oncostatin-M(OSM)

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### Product Details

Purification:

Immunogen affinity purified.

## Target Details

3	
Target:	Oncostatin M (OSM)
Alternative Name:	OSM (OSM Products)
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.
	Synonyms: MGC20461 antibody ONCM_HUMAN antibody Oncostatin M antibody Oncostatin N
	precursor antibody Oncostatin-M antibody OSM antibody
UniProt:	P13725
Pathways:	JAK-STAT Signaling, Negative Regulation of Hormone Secretion
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
	IHC-P: Concentration: 0.5-1 $\mu$ g/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling
	the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.

 Comment:
 Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

 ABIN921231 in IHC(P).

Restrictions:

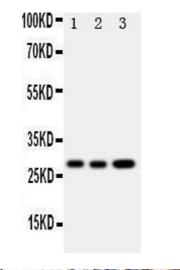
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Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.
Expiry Date:	12 months
Publications	
Product cited in:	Huang, Chen, Guo, Chen, Zhang, Chen, Wang: "Interleukin-10 promotes primary rat hepatic stellate cell senescence by upregulating the expression levels of p53 and p21." in: <b>Molecular medicine reports</b> , Vol. 17, Issue 4, pp. 5700-5707, (2018) (PubMed).
	Liu, Du, Zhu, Zhang, Sun, Liu, Li, Wang, Du: "Identification of apoptosis-related microRNAs and their target genes in myocardial infarction post-transplantation with skeletal myoblasts." in: <b>Journal of translational medicine</b> , Vol. 13, pp. 270, (2016) (PubMed).
	Jiang, Zhang, Fang, Zhang, Lu, Zhu, Cheng, Ai, Zhou, Li, Fang, Yao: "Analgesic effects of Chines Tuina massage in a rat model of pain." in: <b>Experimental and therapeutic medicine</b> , Vol. 11, Issue 4, pp. 1367-1374, (2016) (PubMed).
	Zhang, Deng, Wen, Chen, Liu, Ye, Huang, Jiang, Xiong: "PPAR? and MyoD are differentially regulated by myostatin in adipose-derived stem cells and muscle satellite cells." in: <b>Biochemica</b> and biophysical research communications, Vol. 458, Issue 2, pp. 375-80, (2015) (PubMed).

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#### Images



## Western Blotting

Image 1.

#### Immunohistochemistry

Image 2. Anti-Oncostatin M antibody, IHC(P) IHC(P):Human

Intestinal Cancer Tissue

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