

Datasheet for ABIN5647222
anti-Oncostatin M antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Oncostatin M (OSM)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Oncostatin M antibody is un-conjugated
Application:	Western Blotting (WB), ELISA (Capture)

Product Details

Immunogen:	A recombinant mouse protein corresponding to amino acids N25-R206 was used as the immunogen for the Oncostatin M antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	Oncostatin M (OSM)
Alternative Name:	Oncostatin M / 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. It has the

Target Details

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.

UniProt:	P53347
Pathways:	JAK-STAT Signaling , Negative Regulation of Hormone Secretion

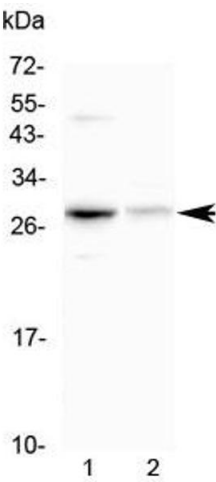
Application Details

Application Notes:	Optimal dilution of the Oncostatin M antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,ELISA (capture): 0.1-0.5 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Oncostatin M antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of 1) mouse HEPA1-6 and 2) rat kidney lysate with Oncostatin M antibody at 0.5ug/ml. Expected molecular weight ~28 kDa (precursor), ~24 kDa (pro form), ~28 kDa (glycosylated pro form).