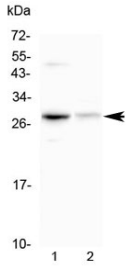
Oncostatin M Antibody / OSM (R32866)

Catalog No.	Formulation	Size
R32866	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P53347
Localization	Nuclear, cytoplasmic
Applications	Western Blot: 0.5-1ug/ml ELISA (capture): 0.1-0.5ug/ml
Limitations	This Oncostatin M antibody is available for research use only.



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).

Description

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 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.

Application Notes

Optimal dilution of the Oncostatin M antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids N25-R206 was used as the immunogen for the Oncostatin M antibody.

Storage

After reconstitution, the Oncostatin M antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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