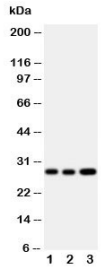
Oncostatin M Antibody (R30753)

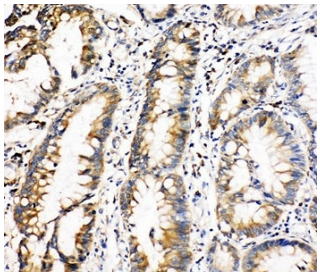
Catalog No.	Formulation	Size
R30753	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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/thimerosal
UniProt	P13725
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Oncostatin M antibody is available for research use only.



Western blot testing of Oncostatin M antibody and Lane 1: A549; 2: A549; 3: HeLa cell lysate. Expected/observed molecular weight ~28 kDa (precursor), ~24 kDa (pro form), ~28 kDa (glycosylated pro form).



IHC-P: Oncostatin M antibody testing of human intestinal cancer tissue

Description

Oncostatin M (OSM) 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 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Oncostatin M antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Oncostatin M (ASDAFQRKLEGCRFLHGY) was used as the immunogen for this 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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