Product Name: KD-Validated Oncostatin M Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01466
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 28.5kDa

Antigen Information

Gene Name	OSM
Alternative Names	OSM; Oncostatin M; Oncostatin-M; MGC20461
Gene ID	5008.0
SwissProt ID	P13725
Immunogen	A synthesized peptide derived from human OSM

Background

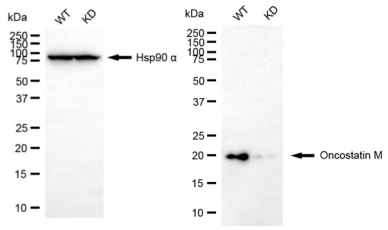
This gene encodes a member of the leukemia inhibitory factor/oncostatin-M (LIF/OSM) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a secreted cytokine and growth regulator that inhibits the proliferation of a number of tumor cell lines. This protein also regulates the production of other cytokines, including interleukin 6, granulocyte-colony stimulating factor and granulocyte-macrophage colony stimulating

factor in endothelial cells. This gene and the related gene, leukemia inhibitory factor, also present on chromosome 22, may have resulted from the duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

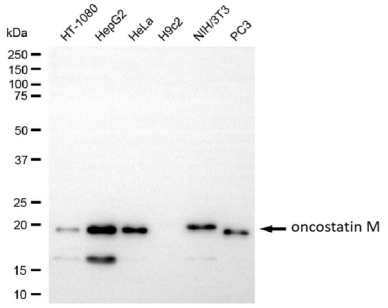
Research Area

Cardiovascular,Immunology,Cardiovascular,Neuroscience

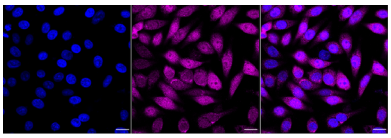
Image Data



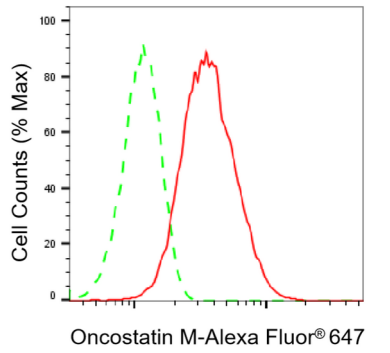
Western blotting analysis using oncostatin M antibody (KVAb01466). Oncostatin M expression in wild-type (WT) and oncostatin M (OSM) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with oncostatin M antibody (KVAb01466, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using oncostatin M antibody (KVAb01466). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with oncostatin M antibody (KVAb01466, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Oncostatin M antibody (KVAb01466, 1:1,000). Nuclei were stained blue with DAPI; Oncostatin M was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Oncostatin M expression in HepG2 cells using Oncostatin M antibody (KVAb01466, 1:2,000). Green, isotype control; red, Oncostatin M.