Datasheet: AHP791

Description:	RABBIT ANTI HUMAN ONCOSTATIN M
Specificity:	ONCOSTATIN M
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.10 - 0.175ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) **This product requires enzyme mediated antigen retrieval prior to staining of parrafin sections. Proteinase K is recomended for this purpose.**

Target Species Human

Product Form Purified IgG - lyophilised

Reconstitution Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not add azide.

Antiserum Preparation Antisera to human Oncostatin M were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen	Recombinant human Oncostatin M.
External Database Links	**UniProt:** P13725 Related reagents **Entrez Gene:** 5008 OSM Related reagents
Specificity	**Rabbit anti Human Oncostatin M antibody** recognizes human Oncostatin M (OSM), a 209 amino acid pleiotropic cytokine, originally isolated from PMA (phorbol 12-myristate 13-acetate) treated U937 leukaemia cells and mitogen-activated T lymphocytes. OSM was identified by the ability to inhibit the replication of various human tumour cell lines, but has also been shown to exert a stimulatory effect on fibroblasts, smooth muscle cells and Kaposi's sarcoma cells, and to induce the release of certain cytokines by endothelial cells. OSM signals through binding with low affinity to the gp130 protein present in two cell surface receptors: type I consisting of gp130 and LIFR (leucocyte inhibitory factor receptor) which also acts as a receptor for LIF, and type II consisting of gp130 and OSMR, which mediates OSM specific activities.
Further Reading	1. Rose, T.M. and Bruce, A.G. (1991) Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. P.N.A.S. 88: 8641-8645. 2. Mosley, B. *et al*. (1996) Dual oncostatin M (OSM) receptors. Cloning and characterization of an alternative signaling subunit conferring OSM-specific receptor activation. J. Biol. Chem. 271: 32635-32643.
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)
TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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