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MAN2C1 Rabbit pAb

Catalog # AP97550

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NTJ4
Other Accession	Q9NTJ4
Reactivity	Mouse
Predicted	Rat, Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115835
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAN2C1
Epitope Specificity	61-160/1040
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyl hydrolase 38 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Misfolded glycoproteins are deglycosylated by the peptide N-glycanase during the degradation process. Free oligosaccharides released by N-glycanase are catabolized by cytosolic MAN2C1, also designated alpha-mannosidase 2C1. MAN2C1, a member of the glycosyl hydrolase 38 family, can cleave alpha 1,2-linked, alpha 1,3-linked and alpha 1,6-linked mannose residues and is stimulated by cobalt. The furanose analogs, swainsonine (SW) and 1,4-dideoxy-1,4-imino-d-mannitol (DIM), are known inhibitors of MAN2C1. The inhibition of MAN2C1 can enhance the adhesion of Jurkat T cells, showing a cytoskeletal rearrangement of the cells.

Additional Information

Gene ID	4123
Other Names	CDDG2; MAN6A8; MANA; MANA1; MA2C1_HUMAN; MAN2C1; Alpha mannosidase 6A8B; Alpha-D-mannoside mannohydrolase; Mannosidase alpha class 2C member 1; 3.2.1.24; mannosidase, alpha, class 2C, member 1; Alpha-mannosidase 2C1; cytosolic α-mannosidase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MAN2C1
Synonyms	MANA, MANA1
Function	Cleaves alpha 1,2-, alpha 1,3-, and alpha 1,6-linked mannose residues on cytoplasmic free oligosaccharides generated by N- glycoprotein degradation pathways.
Cellular Location	Cytoplasm.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.