



Rabbit Anti-MAN2C1 antibody

SL18649R

Product Name:	MAN2C1
Chinese Name:	甘露糖苷酶 α 胞浆抗体
Alias:	alpha D mannoside mannohydrolase; alpha mannosidase 2C1; Alpha mannosidase 6A8B; Alpha-D-mannoside mannohydrolase; Alpha-mannosidase 2C1; MA2C1_HUMAN; Man2c1; MAN6A8; MANA; MANA1; Mannosidase alpha 6A8; Mannosidase alpha A cytoplasmic; Mannosidase alpha class 2C member 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	116kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAN2C1:61-160/1040
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Similarity:

Belongs to the glycosyl hydrolase 38 family.

SWISS:

Q9NTJ4

Gene ID:

4123

Database links:

[Entrez Gene: 4123](#) Human

[Omir: 154580](#) Human

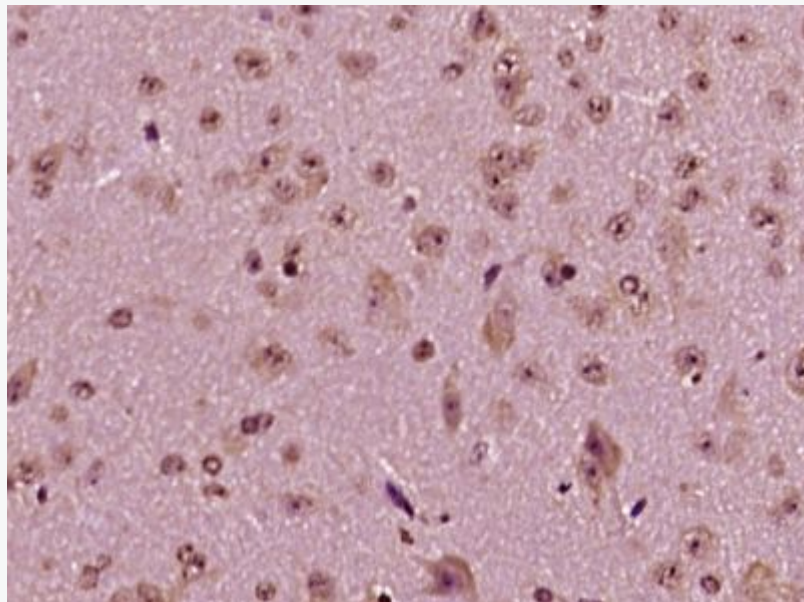
[SwissProt: Q9NTJ4](#) Human

[Unigene: 26232](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAN2C1) Polyclonal Antibody, Unconjugated (SL18649R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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