



Rabbit Anti-MAN2A2 antibody

SL18646R

Product Name:	MAN2A2
Chinese Name:	α -甘露糖苷酶2x抗体
Alias:	3-1; 6-alpha-mannosidase; Alpha-mannosidase 2x; Alpha-mannosidase IIx; MA2A2_HUMAN; MAN IIx; MAN2A2; MANA2X; Mannosidase alpha class 2A member 2; Mannosyl-oligosaccharide 1; Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase; MX.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=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:	131kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAN2A2:1-100/1150
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:	MAN2A2 is a single-pass type II membrane protein that localizes to the cisternae of the golgi and is involved in protein modification pathways. More specifically, MAN2A1 uses zinc as a cofactor to catalyze the first committed step in the formation of N-glycans, namely the hydrolysis of the terminal alpha-D-mannose residues in the

oligosaccharide Man5(GlcNAc)3.

Function:

Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans; the final hydrolytic step in the N-glycan maturation pathway.

Subcellular Location:

Golgi apparatus membrane.

Similarity:

Belongs to the glycosyl hydrolase 38 family.

SWISS:

P49641

Gene ID:

4122

Database links:

[Entrez Gene: 4122](#)Human

[Entrez Gene: 140481](#)Mouse

[Omim: 600988](#)Human

[SwissProt: P49641](#)Human

[SwissProt: Q8BRK9](#)Mouse

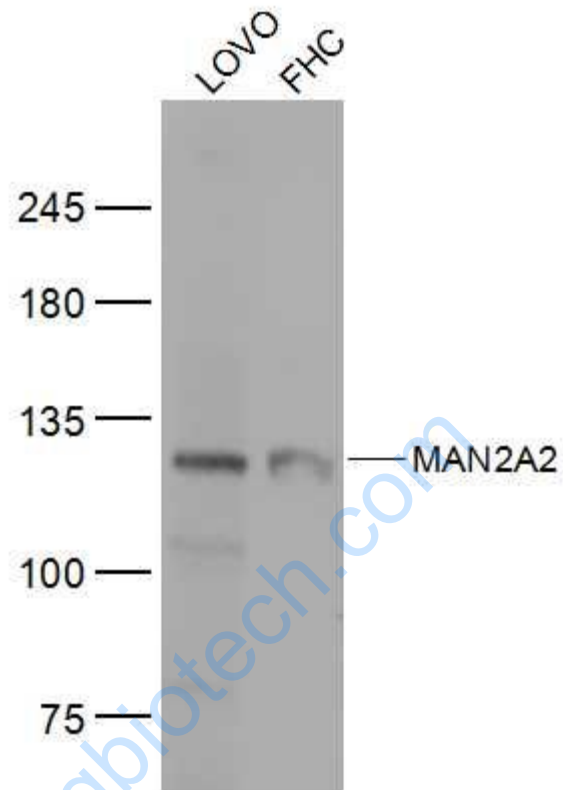
[Unigene: 116459](#)Human

[Unigene: 269245](#)Mouse

Important Note:

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

Picture:



Sample:

LOVO(Human) Cell Lysate at 30 ug

FHC(Human) Cell Lysate at 30 ug

Primary: Anti-MAN2A2 (SL18646R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 131 kD

Observed band size: 131 kD