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Rabbit Anti-MANEA antibody

SL18652R

Product Name:	MANEA
Chinese Name:	甘露糖苷酶2抗体
Alias:	2-mannosidase; 4932703L02; Alpha 1,2 endomannosidase; DKFZp686D20120; Endo alpha D mannosidase; ENDO; Endo-alpha mannosidase; Endomannosidase; FLJ12838; Glycoprotein endo alpha 1,2 mannosidase; Glycoprotein endo-alpha-1; Glycoprotein endo-alpha-1,2-mannosidase; hEndo; Mandaselin; MANEA; MANEA_HUMAN; Mannosidase endo alpha; OTTMUSP0000000508; RP23-424K9.1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,Cat,
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:	54kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MANEA:61-160/462
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:	N-glycosylation of proteins is initiated in the endoplasmic reticulum (ER) by the transfer of the preassembled oligosaccharide glucose-3-mannose-9-N-acetylglucosamine-2 from dolichyl pyrophosphate to acceptor sites on the target protein by an

oligosaccharyltransferase complex. This core oligosaccharide is sequentially processed by several ER glycosidases and by an endomannosidase (E.C. 3.2.1.130), such as MANEA, in the Golgi. MANEA catalyzes the release of mono-, di-, and triglucosylmannose oligosaccharides by cleaving the alpha-1,2-mannosidic bond that links them to high-mannose glycans (Hamilton et al., 2005 [PubMed 15677381]).[supplied by OMIM, Sep 2008]

Subcellular Location:
Golgi apparatus membrane.

Tissue Specificity:
Highly expressed in the liver and kidney. Expressed at lower levels in muscle, pancreas, heart, placenta, lung and brain.

Post-translational modifications:
Undergoes proteolytic cleavage in the C-terminal region.

Similarity:
Belongs to the glycosyl hydrolase 99 family.

SWISS:
Q5SRI9

Gene ID:
79694

Database links:

Entrez Gene: 79694 Human

Entrez Gene: 242362 Mouse

Entrez Gene: 140808 Rat

Omim: 612327 Human

SwissProt: Q5SRI9 Human

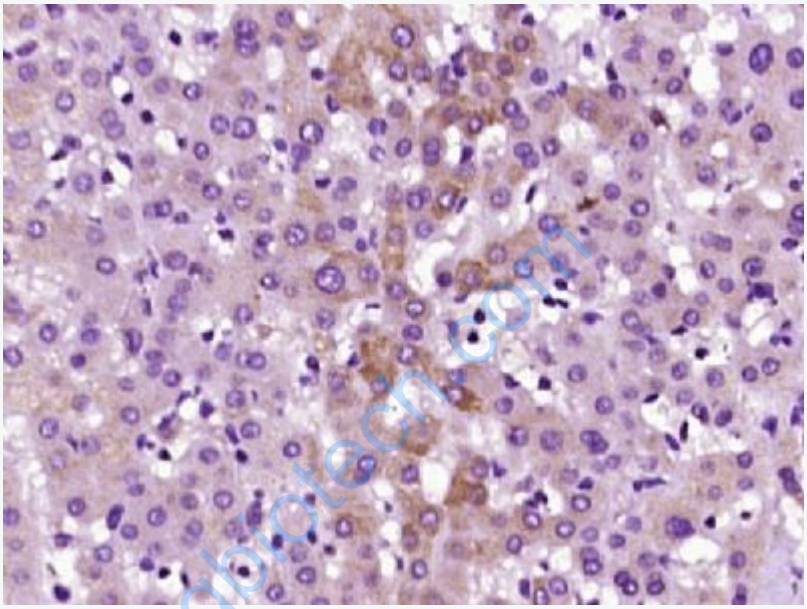
SwissProt: Q6NXH2 Mouse

SwissProt: Q5GF25 Rat

Unigene: 533323 Human

Unigene: 245602 Mouse

Unigene: 10855 Rat

	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 (human liver 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 (MANEA) Polyclonal Antibody, Unconjugated (SL18652R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.