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Mannosidase II Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57203

Specification

Mannosidase II Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q16706
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**131 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human Mannosidase II**
Epitope Specificity	**351-450/1144**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Golgi apparatus membrane; Single-pass type II membrane protein**
SIMILARITY	**Belongs to the glycosyl hydrolase 38 family.**
SUBUNIT	**Homodimer; disulfide-linked**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a glycosyl hydrolase that localizes to the Golgi and catalyzes the final hydrolytic step in the asparagine-linked oligosaccharide (N-glycan) maturation pathway. Mutations in the mouse homolog of this gene have been shown to cause a systemic autoimmune disease similar to human systemic lupus erythematosus. [provided by RefSeq, Dec 2013]

Mannosidase II Polyclonal Antibody - Additional Information

Gene ID 4124

Other Names
Alpha-mannosidase 2, 3.2.1.114, Golgi alpha-mannosidase II, AMan II, Man II, Mannosidase alpha class 2A member 1, Mannosyl-oligosaccharide 1, 3-1, 6-alpha-mannosidase, MAN2A1, MANA2

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

Mannosidase II Polyclonal Antibody - Protein Information

Name MAN2A1

Synonyms MANA2

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.

Cellular Location
Golgi apparatus membrane {ECO:0000250|UniProtKB:P28494}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P28494}

Mannosidase II Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mannosidase II Polyclonal Antibody - Images