

MAN2A2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12501c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P49641
Other Accession	NP_006113.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31132
Calculated MW	130539
Antigen Region	767-796

Additional Information

Gene ID	4122
Other Names	Alpha-mannosidase 2x, Alpha-mannosidase IIx, Man IIx, Mannosidase alpha class 2A member 2, Mannosyl-oligosaccharide 1, 3-1, 6-alpha-mannosidase, MAN2A2, MANA2X
Target/Specificity	This MAN2A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 767-796 amino acids from the Central region of human MAN2A2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MAN2A2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAN2A2
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Synonyms	MANA2X
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; Single- pass type II membrane protein

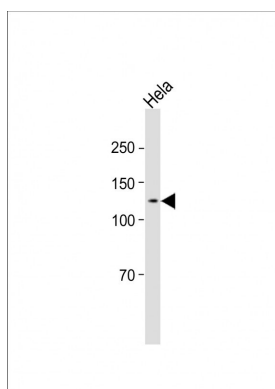
Background

MAN2A2 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.

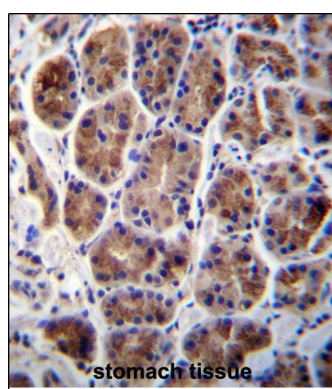
References

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 Stelzl, U., et al. Cell 122(6):957-968(2005)
 Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :
 Misago, M., et al. Proc. Natl. Acad. Sci. U.S.A. 92(25):11766-11770(1995)

Images

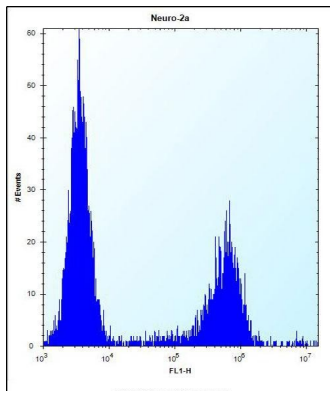


All lanes: Anti-MAN2A2 Antibody (Center) at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 130 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



MAN2A2 Antibody (Center) (Cat. #AP12501c) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAN2A2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

MAN2A2 Antibody (Center) (Cat. #AP12501c) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



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