10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GLB1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17547a

Product Information

Application	WB, E
Primary Accession	P16278
Other Accession	Q60HF6, NP_000395.2, NP_001073279.1
Reactivity	Human
Predicted	Monkey, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30395
Calculated MW	76075
Antigen Region	81-109

Additional Information

Gene ID	2720
Other Names	Beta-galactosidase, Acid beta-galactosidase, Lactase, Elastin receptor 1, GLB1, ELNR1
Target/Specificity	This GLB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-109 amino acids from the N-terminal region of human GLB1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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	GLB1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GLB1 (HGNC:4298)
Synonyms	ELNR1

Function	[Isoform 1]: Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans.
Cellular Location	[Isoform 1]: Lysosome
Tissue Location	Detected in placenta (at protein level) (PubMed:8383699). Detected in fibroblasts and testis (PubMed:2511208)

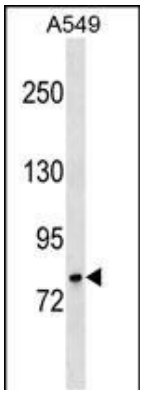
Background

This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)
Antonicelli, F., et al. Wound Repair Regen 17(5):631-638(2009)
Hofer, D., et al. Hum. Mutat. 30(8):1214-1221(2009)
Mayer, F.Q., et al. Mol. Genet. Metab. 96 (3), 148 (2009) :

Images



GLB1 Antibody (N-term) (Cat. #AP17547a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GLB1 antibody detected the GLB1 protein (arrow).

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