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GLB1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GLB1.
Catalog # AT2205a

Product Information

Application	WB, IP
Primary Accession	P16278
Other Accession	NM_000404
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6E8
Calculated MW	76075

Additional Information

Gene ID	2720
Other Names	Beta-galactosidase, Acid beta-galactosidase, Lactase, Elastin receptor 1, GLB1, ELNR1
Target/Specificity	GLB1 (NP_000395, 578 a.a. ~ 677 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GLB1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

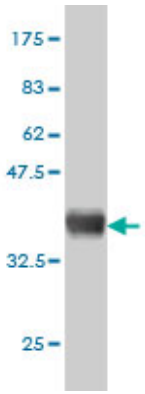
This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have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

References

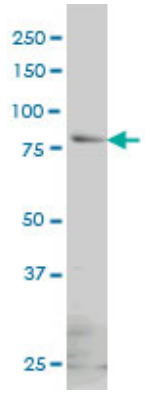
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Multiple common variants for celiac disease

influencing immune gene expression. Dubois PC, et al. Nat Genet, 2010 Apr. PMID 20190752.Role of the elastin receptor complex (S-Gal/Cath-A/Neu-1) in skin repair and regeneration. Antonicelli F, et al. Wound Repair Regen, 2009 Sep-Oct. PMID 19769716.GM1 gangliosidosis and Morquio B disease: expression analysis of missense mutations affecting the catalytic site of acid beta-galactosidase. Hofer D, et al. Hum Mutat, 2009 Aug. PMID 19472408.New GLB1 mutation in siblings with Morquio type B disease presenting with mental regression. Mayer FQ, et al. Mol Genet Metab, 2009 Mar. PMID 19091613.

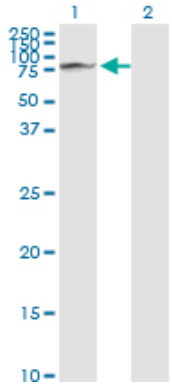
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

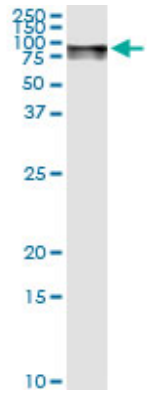


GLB1 monoclonal antibody (M01), clone 6E7 Western Blot analysis of GLB1 expression in HeLa ((Cat # AT2205a)



Western Blot analysis of GLB1 expression in transfected 293T cell line by GLB1 monoclonal antibody (M01), clone 6E7.

Lane 1: GLB1 transfected lysate(76.1 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation of GLB1 transfected lysate using anti-GLB1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with GLB1 MaxPab rabbit polyclonal antibody.

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