

GLB1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant GLB1.****Catalog # AT2205a****Specification**

GLB1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IP
Primary Accession	P16278
Other Accession	NM_000404
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	76075

GLB1 Antibody (monoclonal) (M01) - 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.

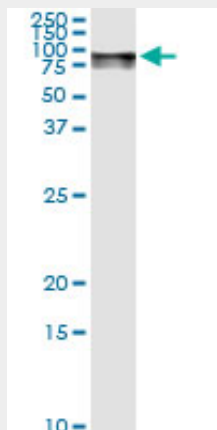
GLB1 Antibody (monoclonal) (M01) - Protocols

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

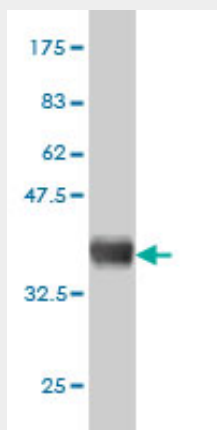
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

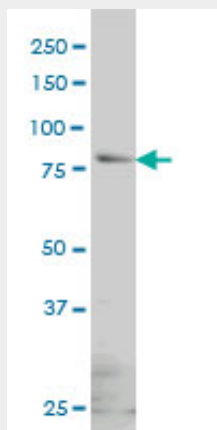
GLB1 Antibody (monoclonal) (M01) - Images



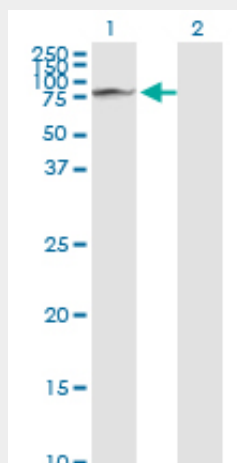
Immunoprecipitation of GLB1 transfected lysate using anti-GLB1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GLB1 MaxPab rabbit polyclonal antibody.



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.

GLB1 Antibody (monoclonal) (M01) - 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.

GLB1 Antibody (monoclonal) (M01) - 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.