

Product datasheet for **CF505597**

GLB1 Mouse Monoclonal Antibody [Clone ID: OT15H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT15H2
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GLB1(NP_001073279) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72.6 kDa
Gene Name:	galactosidase beta 1
Database Link:	NP_001073279 Entrez Gene 2720 Human P16278



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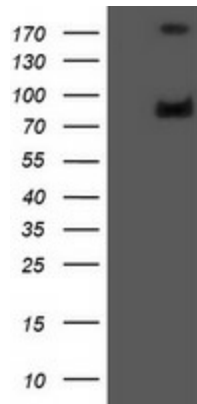
Background: This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms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

Synonyms: EBP; ELNR1; MPS4B

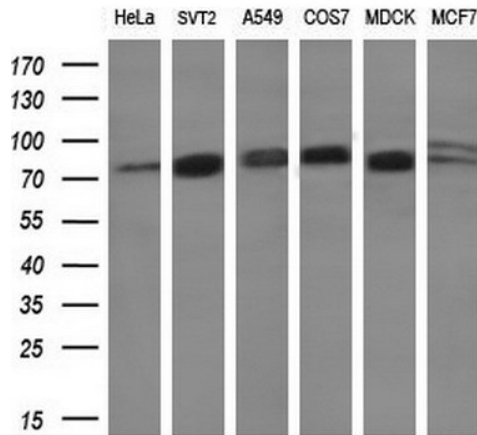
Protein Families: Druggable Genome

Protein Pathways: Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism

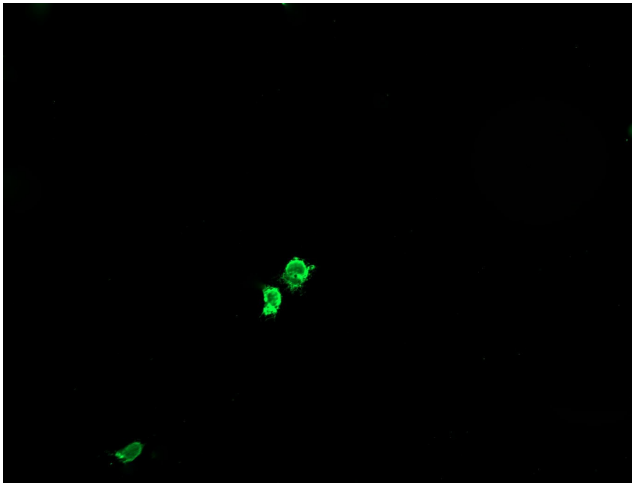
Product images:



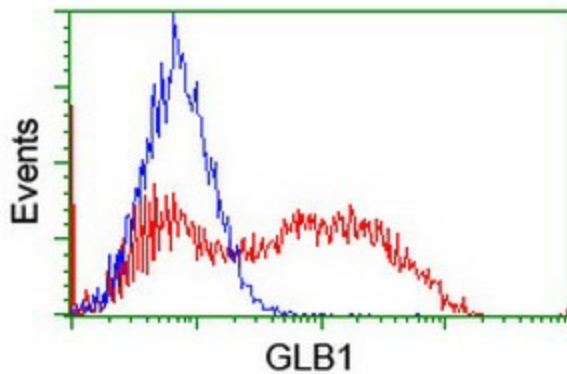
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GLB1 ([RC200721], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GLB1.



Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-GLB1 monoclonal antibody (1:200).



Anti-GLB1 mouse monoclonal antibody ([TA505597]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GLB1 ([RC200721]).



HEK293T cells transfected with either [RC200721] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-GLB1 antibody ([TA505597]), and then analyzed by flow cytometry.