

Rabbit anti-Human, Mouse GLB1 Polyclonal Antibody | anti-GLB1 antibody

GLB1 Antibody

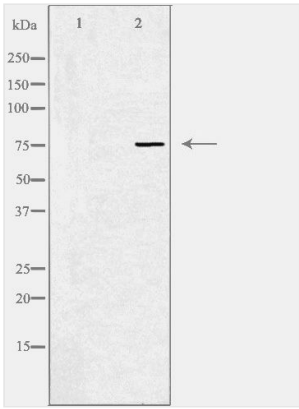
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324516	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GLB1; Polyclonal Antibody; GLB1 Antibody; Acid beta galactosidase; Acid beta-galactosidase; Beta galactosidase 1; Beta galactosidase; Beta-galactosidase; BGAL_HUMAN; EBP; included; Elastin receptor 1 (67kD); Elastin receptor 1 67kDa; Elastin receptor 1; Elastin-binding protein; ELNR1; Galactosidase beta 1; GLB 1; Lactase; MPS4B; S-GAL; anti-GLB1 antibody

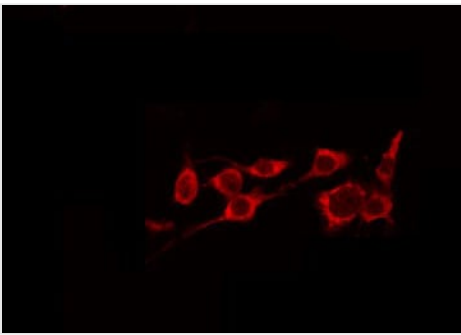
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GLB1 antibody detects endogenous levels of total GLB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	677
Applicable Applications for anti-GLB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Lysosome and Cytoplasm > Perinuclear Region. Localized to the perinuclear area of the cytoplasm but not to lysosomes.
Tissue Specificity	Detected in placenta (at protein level) (PubMed:8383699). Detected in fibroblasts and testis (PubMed:2511208).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts from 3T3 cells, using GLB1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324516 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GLB1 antibody	Function: Isoform 1: Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. Subunit Structure: Homodimer (PubMed:22128166). May form higher multimers (Probable). Similarity: Belongs to the glycosyl hydrolase 35 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119372308
NCBI GeneID	2720
NCBI Accession #	NP_000395.2
NCBI GenBank Nucleotide #	NM_000404.3
UniProt Accession #	P16278; P16279; B2R7H8; B7Z6B0
Molecular Weight	Observed: 76 kD Predicted: 77 kDa
NCBI Official Full Name	beta-galactosidase isoform a preproprotein
NCBI Official Synonym Full Names	galactosidase beta 1
NCBI Official Symbol	GLB1
NCBI Official Synonym Symbols	EBP; ELNR1; MPS4B
NCBI Protein Information	beta-galactosidase
UniProt Protein Name	Beta-galactosidase
UniProt Gene Name	GLB1
UniProt Synonym Gene Names	ELNR1; Lactase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.