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Product datasheet for TA505568S

GLB1 Mouse Monoclonal Antibody [Clone ID: OTI2F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F6
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GLB1(NP_001073279) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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
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, Oct 2008]
Synonyms:	EBP; ELNR1; MPS4B

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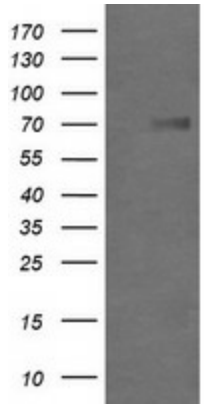
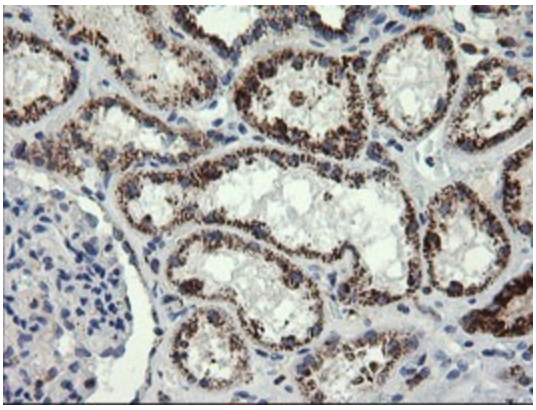
Protein Families: Druggable Genome

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

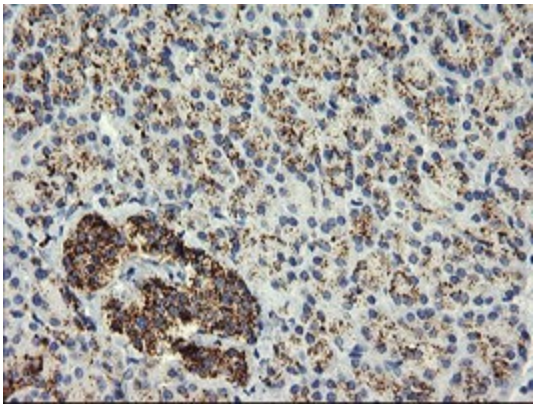
Product images:



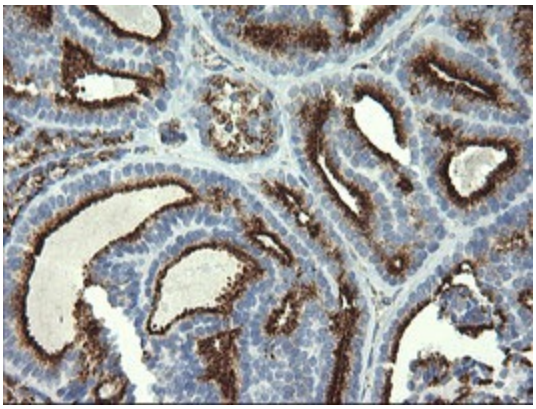
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GLB1 ([RC200721], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GLB1.



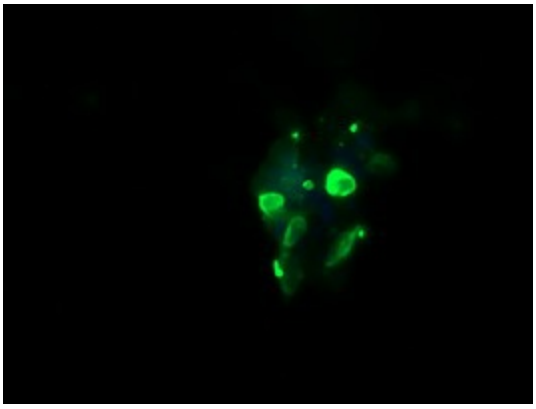
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GLB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505568])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GLB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505568])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GLB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505568])



Anti-GLB1 mouse monoclonal antibody ([TA505568]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GLB1 ([RC200721]).