

Product datasheet for **CF505568**

GLB1 Mouse Monoclonal Antibody [Clone ID: OTI2F6]

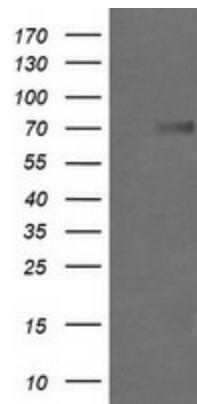
Product data:

| | |
|-------------------------|--|
| 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: | 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 |

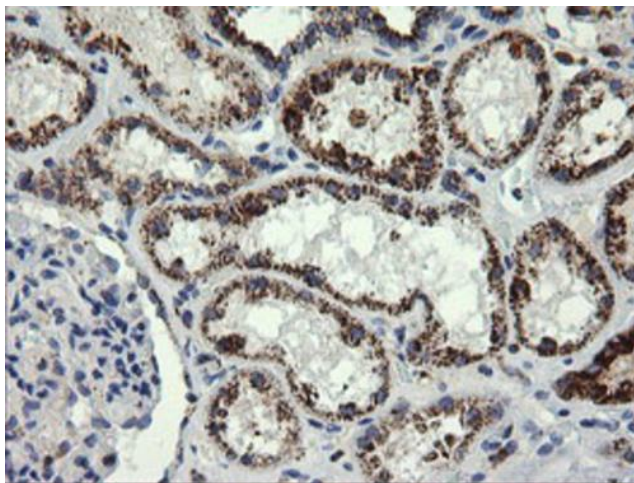


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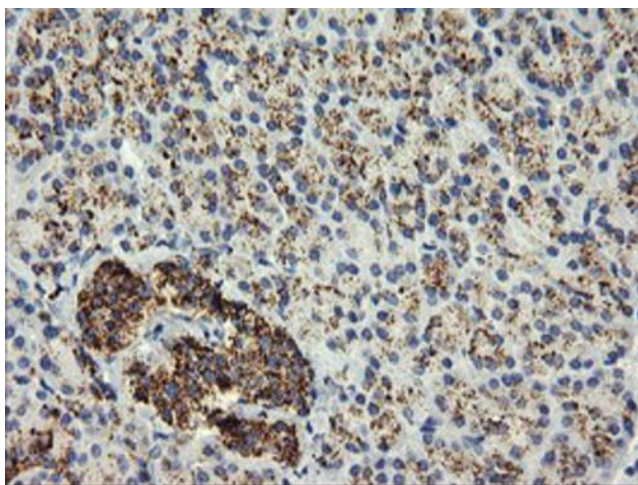
| | |
|--------------------------|---|
| Background: | This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008] |
| 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:

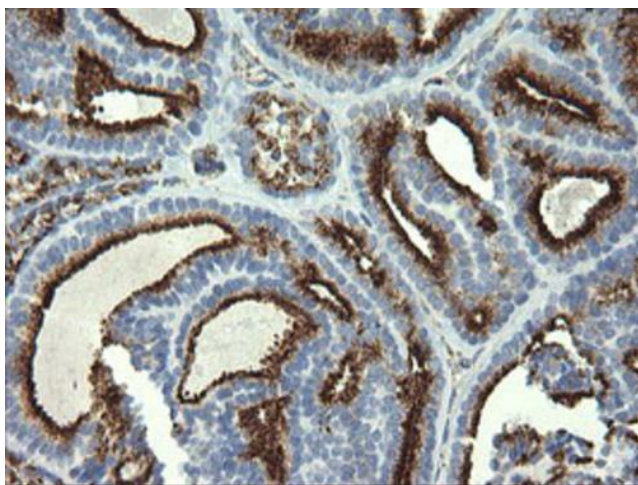
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GLB1 ([RC200721], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GLB1.



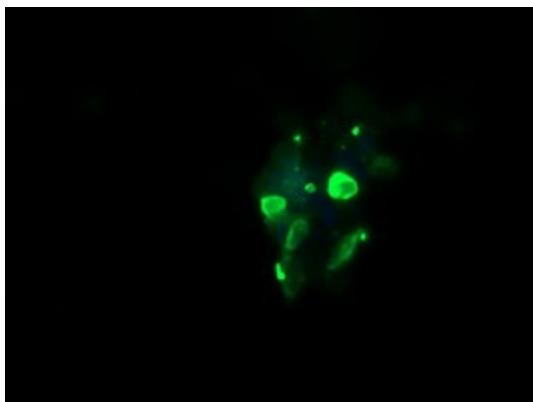
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GLB1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GLB1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GLB1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



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