

## Product datasheet for **TA803377**

### GBA Mouse Monoclonal Antibody [Clone ID: OTI4G4]

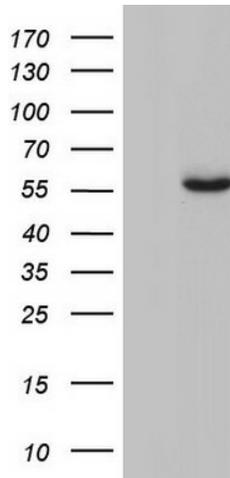
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4G4
Applications:	IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 40-315 of human GBA (NP_000148) produced in E.coli.
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)
Predicted Protein Size:	55.5 kDa
Gene Name:	glucosylceramidase beta
Database Link:	<a href="#">NP_000148 Entrez Gene 2629 Human</a>
Background:	This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]
Synonyms:	GBA1; GCB; GLUC
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism

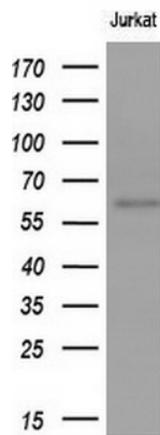


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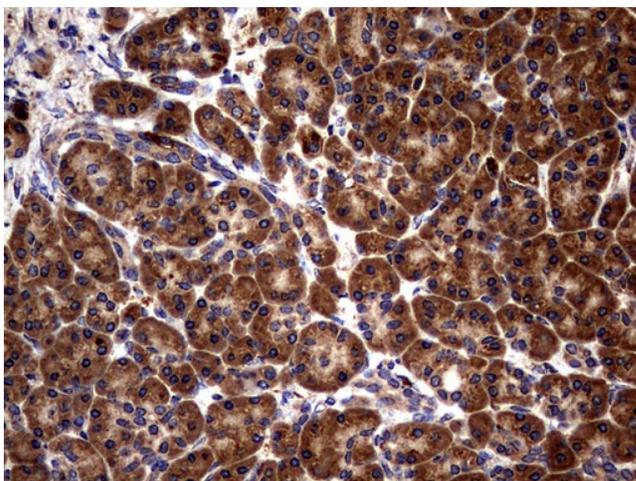
## Product images:



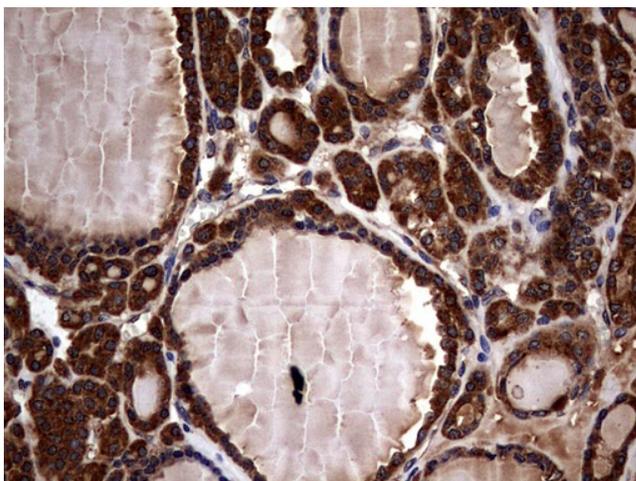
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GBA ([RC216061], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GBA. Positive lysates [LY400055] (100ug) and [LC400055] (20ug) can be purchased separately from OriGene.



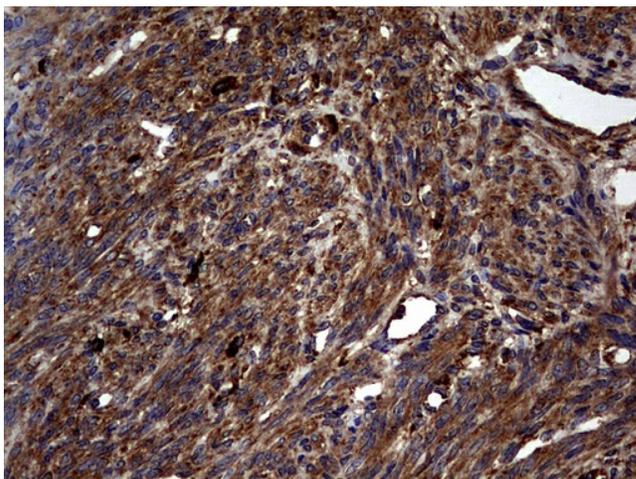
Western blot analysis of extracts (10ug) from 1 cell line by using anti-GBA monoclonal antibody (1:200).



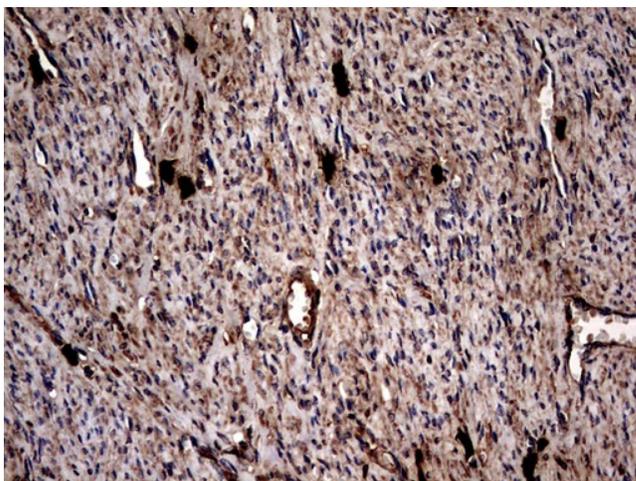
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GBA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA803377)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GBA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA803377)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-GBA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA803377)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-GBA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA803377)