

## Product datasheet for **TA803376M**

### GBA Mouse Monoclonal Antibody [Clone ID: OTI2B2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B2
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
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)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55.5 kDa
Gene Name:	glucosylceramidase beta
Database Link:	<a href="#">NP_000148</a> <a href="#">Entrez Gene 14466 Mouse</a> <a href="#">Entrez Gene 2629 Human</a> <a href="#">P04062</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]

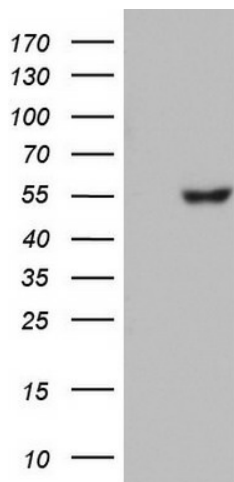

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**Synonyms:** GBA1; GCB; GLUC

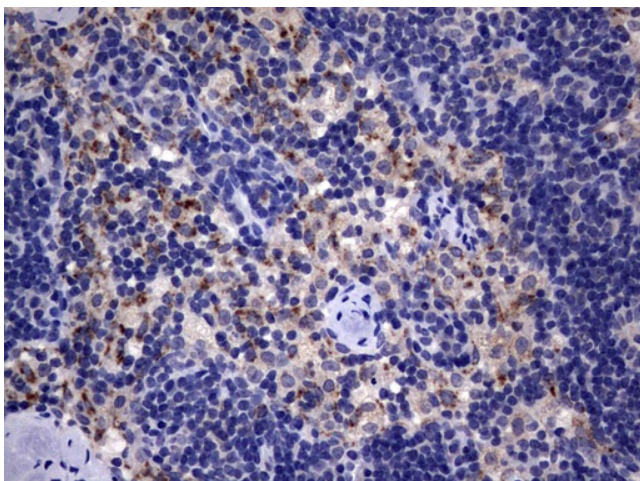
**Protein Families:** Druggable Genome

**Protein Pathways:** Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism

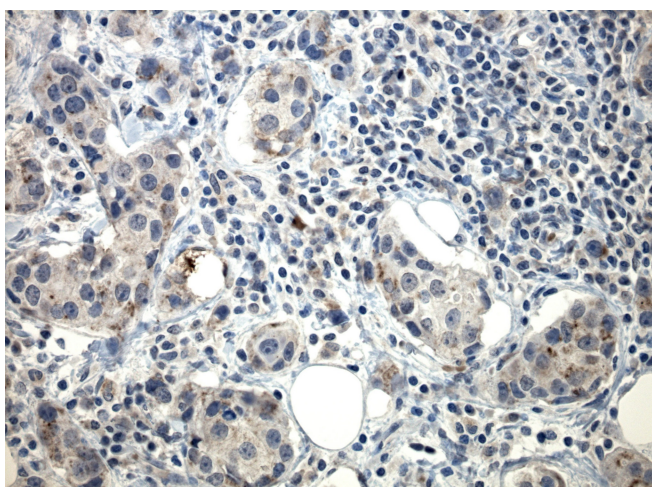
**Product images:**



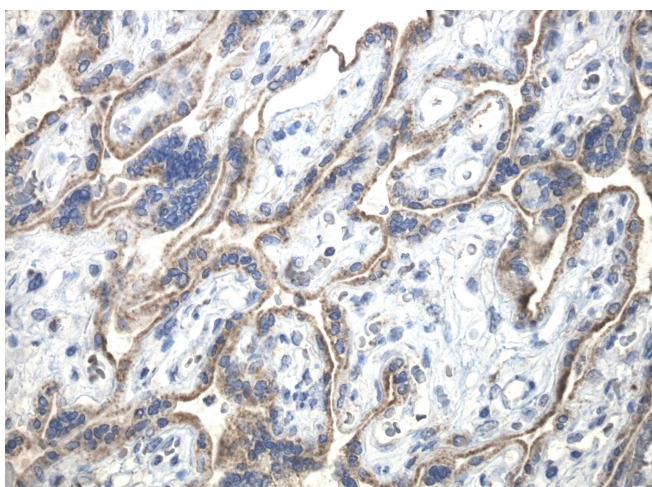
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GBA ([RC216061], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GBA. Positive lysates [LY400055] (100ug) and [LC400055]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



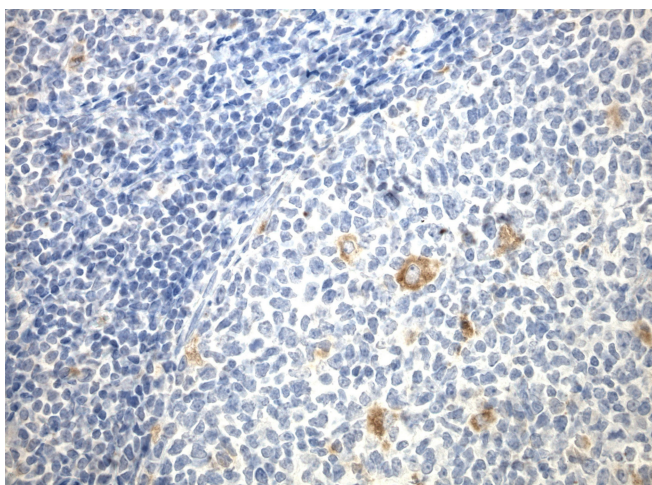
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-GBA mouse monoclonal antibody. ([TA803376]) Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded breast cancer using GBA antibody [TA803376] clone OTI2B2 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-GBA at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.

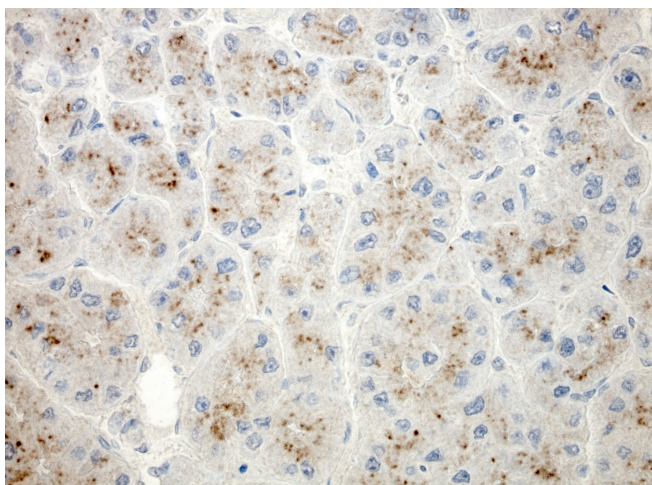


Immunohistochemical staining of paraffin-embedded placenta using GBA antibody [TA803376] clone OTI2B2 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-GBA at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.

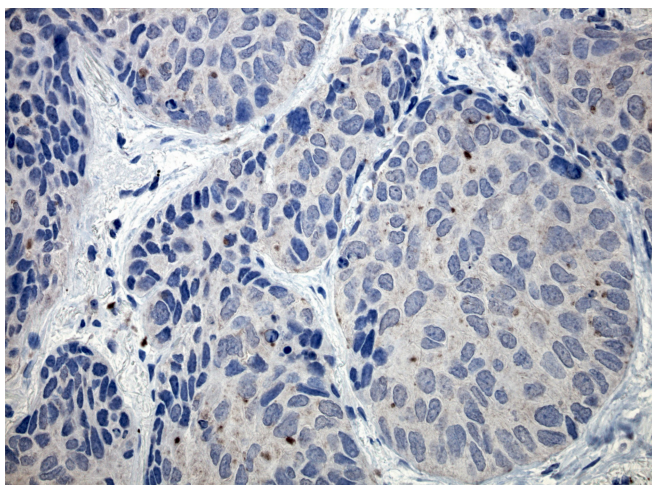


Immunohistochemical staining of paraffin-embedded tonsil using GBA antibody [TA803376] clone OTI2B2 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-GBA at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.





Immunohistochemical staining of paraffin-embedded liver cancer using GBA antibody [TA803376] clone OTI2B2 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-GBA at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded lung cancer using GBA antibody [TA803376] clone OTI2B2 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-GBA at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.