

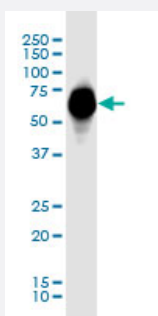
CX Grade

GBA monoclonal antibody (M01J), clone 2E2

Catalog # H00002629-M01J

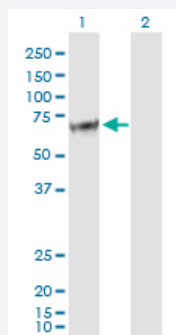
Size 100 ug

Applications



Western Blot (Cell lysate)

GBA monoclonal antibody (M01J), clone 2E2. Western Blot analysis of GBA expression in MCF-7.

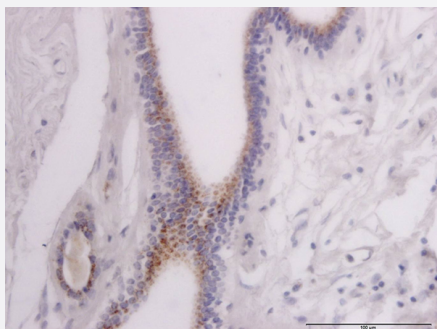


Western Blot (Transfected lysate)

Western Blot analysis of GBA expression in transfected 293T cell line by GBA monoclonal antibody (M01J), clone 2E2.

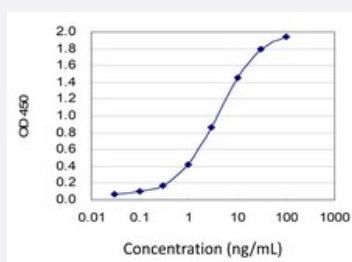
Lane 1: GBA transfected lysate (Predicted MW: 59.7 KDa).

Lane 2: Non-transfected lysate.



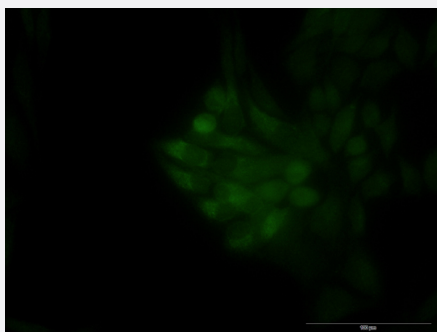
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GBA on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



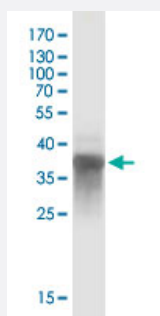
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GBA is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to GBA on HeLa cell . [antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GBA. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	GBA (NP_000148.2, 146 a.a. ~ 235 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQLAQRPVSL ASPWTSPTWLKTNGAVNGKGS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (88)
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

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- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to GBA on HeLa cell . [antibody concentration 20 ug/ml]

Gene Info — GBA

Entrez GeneID

[2629](#)

GeneBank Accession#

[NM_000157.1](#)

Protein Accession#	NP_000148.2
Gene Name	GBA
Gene Alias	GBA1, GCB, GLUC
Gene Description	glucosidase, beta; acid (includes glucosylceramidase)
Omim ID	230800 230900 231000 231005 606463 608013
Gene Ontology	Hyperlink
Gene Summary	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 encoding the same protein. [provided by RefSeq]
Other Designations	D-glucosyl-N-acylsphingosine glucosylhydrolase OTTHUMP00000033992 OTTHUMP00000033993 glucocerebrosidase glucocerebrosidase (alt.) lysosomal glucocerebrosidase

Pathway

- [Lysosome](#)
- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Alzheimer disease](#)
- [Bone Diseases](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Cystic fibrosis](#)
- [Deafness](#)
- [Dementia](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Epilepsy](#)
- [Essential tremor](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypergammaglobulinemia](#)
- [Hypertension](#)
- [Lewy Body Disease](#)
- [Multiple Myeloma](#)
- [Multiple System Atrophy](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Neuropsychological Tests](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Postmortem Changes](#)
- [Supranuclear Palsy](#)