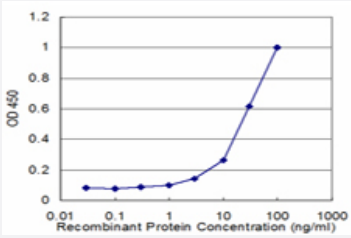
GBA monoclonal antibody (M03), clone 2H4

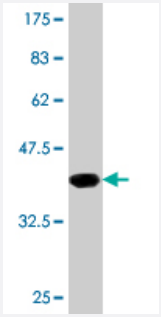
Catalog # H00002629-M03 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GBA is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GBA.
Immunogen	GBA (NP_000148, 146 a.a. ~ 235 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQLAQRPVSLL ASPWTSPTWLKTNGAVNGKGS
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (84); Rat (88)
Isotype	IgG1 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.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged GBA is approximately 3ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — GBA

Entrez GeneID	2629
GeneBank Accession#	NM_000157
Protein Accession#	NP_000148
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 glucohydrolase|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