GBA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GBA, Polyclonal Antibody
Full Product Name	GBA Antibody, Biotin conjugated
Product Gene Name	anti-GBA antibody
Product Synonym Names	Glucosylceramidase; Acid beta-glucosidase; Alglucerase; Beta-glucocerebrosidase; Beta-GC; D-glucosyl-N-acylsphingosine glucohydrolase; Imiglucerase; GBA; GC; GLUC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: GBA (MBS7108876) Biotin Conjugated Antibody: GBA (MBS7108879)
OMIM	M16328 mRNA
3D Structure	ModBase 3D Structure for P04062
Immunogen	Recombinant Human Glucosylceramidase protein (215-343AA)
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	GBA
Product Categories/Family for anti-GBA antibody	Neuroscience; Cancer; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GBA antibody	ELISA (EIA)
Related Product Information for anti-GBA antibody	extracellular exosome, lysosomal lumen, lysosomal membrane, glucosylceramidase activity, receptor binding, cellular response to tumor necrosis factor, ceramide biosynthetic process, glucosylceramide catabolic process, glycosphingolipid metabolic process, negative regulation of inflammatory response
Other Notes	Small volumes of anti-GBA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GBA purchase	MBS7108879 is an antibody targeting GBA. Also known as GBA Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GBA. It may not necessarily be applicable to this product.

NCBI GI #	54607043
NCBI GeneID	2629
NCBI Accession #	NP_000148.2
UniProt Primary Accession #	P04062
UniProt Secondary Accession #	Q16545; Q4VX22; Q6I9R6; Q9UMJ8; A8K796; B7Z5G2; B7Z6S1; J3KQG4; J3KQK9
UniProt Related Accession #	P04062
GenBank Nucleotide #	NM_000157.3
NCBI Official Full Name	glucosylceramidase isoform 1
NCBI Official Synonym Full Names	glucosylceramidase beta
NCBI Official Symbol	GBA
NCBI Official Synonym Symbols	GCB; GBA1; GLUC
UniProt Protein Name	Glucosylceramidase
UniProt Synonym Protein Names	Acid beta-glucosidase; Alglucerase; Beta-glucocerebrosidase; Beta-GC; D-glucosyl-N-acylsphingosine glucohydrolase; Imiglucerase
Protein Family	Glucosylceramidase
UniProt Gene Name	GBA
UniProt Synonym Gene Names	GC; GLUC; Beta-GC
NCBI Protein Information	glucosylceramidase
NCBI Summary for GBA	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]
Research Articles on GBA	**1.** This study shown GBA genetic variants for Parkinson's disease are associated with the risk of incident Parkinson's disease in the general population and with impairment in daily functioning in individuals without clinical parkinsonism.
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