

GBA recombinant antibody

GBA Antibody

CATALOG # AAA243967	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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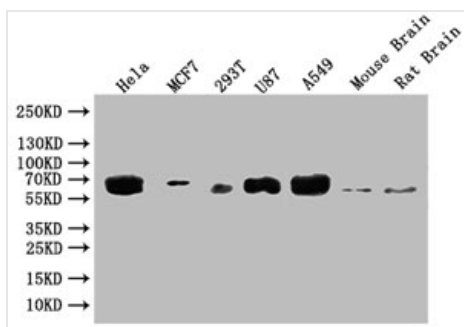
PRODUCT SYNONYMS

GBA; Monoclonal Recombinant Antibody; GBA Antibody; Glucosylceramidase (EC 3.2.1.45) (Acid beta-glucosidase) (Alglucerase) (Beta-glucocerebrosidase) (Beta-GC) (D-glucosyl-N-acylsphingosine glucosylhydrolase) (Imiglucerase); GC GLUC; GBA recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	4H4
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for GBA recombinant antibody	WB (Western Blot), ELISA
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human GBA
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer; Metabolism; Signal Transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate,MCF7 whole cell lysate, 293T whole cell lysate,U87 whole cell lysate, A549 whole cell lysate,Mouse Brain tissue, Rat Brain tissueAll lanes: GBA antibody at 1:500SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 60 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for GBA recombinant antibody	Relevance: 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 Description: GBA encodes the glucocerebrosidase (GCase), a lysosomal glycoside hydrolase that catalyzes the hydrolysis of the glycolipid glucosylceramide (GlcCer) to glucose and ceramide. It is involved in the metabolism of sphingolipids. GBA deficiency results in the buildup of GlcCer and disruption of lipid balance. Gaucher's disease has been linked to human GBA gene mutations, which are numerically the most important risk factor for developing Parkinson's disease (PD), accounting for at least 5% of all PD cases. Furthermore, sporadic PD brains show a decrease in GBA activity. The recombinant GBA antibody was generated in vitro through inserting cloned GBA genes into expression vectors. The expression vector was then inserted into a mammalian cell to express this GBA antibody. It has been validated in ELISA, WB. Every step in the production was controlled strictly.
Product Categories/Family for GBA recombinant antibody	Neuroscience; Cancer; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607043
NCBI GeneID	2629
NCBI Accession #	NP_000148.2
NCBI GenBank Nucleotide #	NM_000157.3
UniProt Accession #	P04062; Q16545; Q4VX22; Q6I9R6; Q9UMJ8; A8K796; B7Z5G2; B7Z6S1; J3KQG4; J3KQK9
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
NCBI Protein Information	glucosylceramidase
UniProt Protein Name	Glucosylceramidase
UniProt Gene Name	GBA
UniProt Synonym Gene Names	GC; GLUC; Beta-GC
UniProt Entry Name	GLCM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.