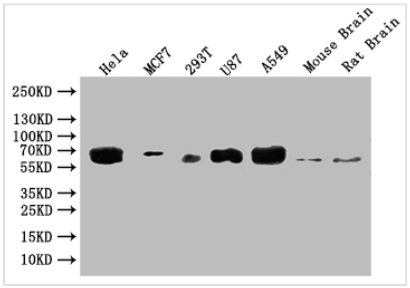
GBA Recombinant Monoclonal Antibody

Product Code	CSB-RA869334A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04062
Immunogen	A synthesized peptide derived from human GBA
Species Reactivity	Human, Rat, Mouse
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
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
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer; Metabolism; Signal transduction
Gene Names	GBA
Clone No.	4H4

Image



Western Blot
Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, 293T whole cell lysate, U87 whole cell lysate
All lanes: GBA antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 60, 58, 55, 51, 30 kDa
Observed band size: 60 kDa

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. You have no worries about the quality.