

Anti-GBA Antibody (7E768)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7E768
Purification:	Affinity-chromatography

Applications

	Western Blot
	-Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, 293T whole cell lysate, U87 whole cell lysate
Verified Activity:	-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
Application:	ELISA,WB
Recommended	WB:1:500-1:5000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human GBA
Antigen Species:	Human
Gene ID:	2629
Uniprot ID:	P04062
Biology Area:	Neuroscience, Cancer, Metabolism, Signal transduction

Research Background

Glucosylceramidase that catalyzes, within the lysosomal compartment, the hydrolysis of glucosylceramide/GlcCer into free ceramide and glucose. Thereby, plays a central role in the degradation of complex lipids and the turnover of cellular membranes. Through the production of ceramides, participates in the PKC-activated salvage pathway of ceramide formation. Also plays a role in cholesterol metabolism. May either catalyze the glucosylation of cholesterol, through a transglucosylation reaction that transfers glucose from glucosylceramide to cholesterol. The short chain saturated C8:0-GlcCer and the mono-unsaturated C18:0-GlcCer being the most effective glucose donors for that transglucosylation reaction. Under specific conditions, may alternatively catalyze the reverse reaction, transferring glucose from cholesteryl-beta-D-glucoside to ceramide. Finally, may also hydrolyze cholesteryl-beta-D-glucoside to produce D-glucose and cholesterol.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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