ELK Biotechnology

CLN3 rabbit pAb

Cat No.:ES11433

For research use only

Overview

Product Name	CLN3 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human protein . at AA range: 221-270
Specificity	CLN3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Battenin (Batten disease protein) (Protein CLN3)
Gene Name	CLN3 BTS
Cellular localization	Lysosome membrane ; Multi-pass membrane protein . Late endosome . Lysosome . Golgi apparatus . Golgi apparatus membrane . Golgi apparatus, Golgi stack . Golgi apparatus, trans-Golgi network . Cell membrane . Recycling endosome . Membrane raft . Membrane, caveola . Early endosome membrane . Cell junction, synapse, synaptosome . Late endosome membrane . Cytoplasmic vesicle, autophagosome . CLN3 is not present in late endosomes/lysosomes in fibroblasts and neurons (PubMed:15240864). Trafficks from cell membrane to Golgi via endosomes (PubMed:15240864). Osmotic stress changes the subcellular localization of CLN3 (PubMed:23840424). Trafficks to intracellular compartments via the plasma membranet through AP3M1-dependent mechanisms (PubMed:14644441). Excluded from the synaptic vesicles (By simila

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

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Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	1201
Human Swiss-Prot Number	Q13286
Alternative Names	
Background	This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (CLN) genes, cause neurodegenerative diseases commonly known as Batten disease or collectively known as neuronal ceroid lipofuscinoses (NCLs). Many alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008],

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