

CLN3 rabbit pAb**Cat#: orb774308 (Manual)**

For research use only. Not intended for diagnostic use.

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, and 0.02% sodium azide..
Storage	Store at -20°C. 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

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],