

For Research Use Only

CLN3 Monoclonal antibody

Catalog Number: 67957-1-Ig



Basic Information

Catalog Number: 67957-1-Ig	GenBank Accession Number: BC002394	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1201	CloneNo.: 1E10A9
Source: Mouse	UNIPROT ID: Q13286	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: ceroid-lipofuscinosis, neuronal 3	
Immunogen Catalog Number: AG31402	Calculated MW: 438 aa, 48 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, NCCIT cells, NCI-H1299 cells, A549 cells, Jurkat cells
Species Specificity: Human	

Background Information

Neuronal ceroid lipofuscinosis (NCL, or Batten disease) refers to a group of lethal pediatric neurodegenerative diseases originating from mutations in one of the thus far identified 13 CLN genes (Ceroid Lipofuscinosis, Neuronal type; CLN1 to CLN14) (PMID: 25051496). CLN3 is a multi-membrane-spanning protein involved in the microtubule-dependent, anterograde transport of late endosomes and lysosomes. The CLN3 gene is located on chromosome 16p12.1 and produces three mRNA splicing variants. The 438-amino-acid CLN3 protein has a calculated molecular weight of 48 kDa. It has been reported that CLN3 can be glycosylated and form a homodimeric complex (PMID: 10356317; 17286803).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

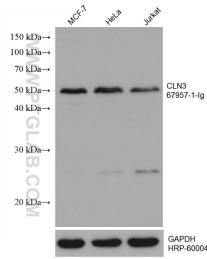
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67957-1-Ig (CLN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.