For Research Use Only

CLN3 Monoclonal antibody

Catalog Number:67957-1-Ig

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Basic Information

Catalog Number:
67957-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG31402

GenBank Accession Number:
BC002394

GeneID (NCBI):
1201

UNIPROT ID:
Q13286

Full Name:
ceroid-lipofuscinosis, neuronal 3

Calculated MW:
438 aa, 48 kDa

Observed MW:
50 kDa

Purification Method:
Protein G purification

CloneNo.:
1E10A9

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : HeLa cells, HepG2 cells, NCCIT cells, NCI-H1299 cells, A549 cells, Jurkat cells

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

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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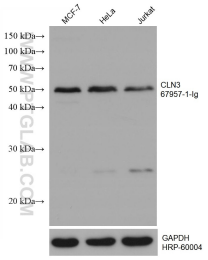
Selected Validation Data



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.