

For Research Use Only

CLN3 Monoclonal antibody, PBS Only



Catalog Number: 67957-1-PBS

Basic Information

Catalog Number:

67957-1-PBS

Size:

1mg/ml

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

Applications

Tested Applications:

WB, Indirect ELISA

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 that is involved in 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 homodimeric complex (PMID: 10356317; 17286803).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

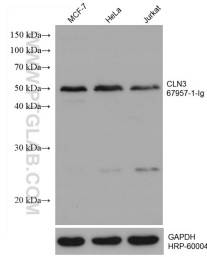
T: 4006900926

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. This data was developed using the same antibody clone with 67957-1-PBS in a different storage buffer formulation.