

For Research Use Only

CLN5 Recombinant antibody

Catalog Number: 85378-1-RR



Basic Information

Catalog Number:

85378-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18175

GenBank Accession Number:

BC153154

GeneID (NCBI):

1203

UNIPROT ID:

O75503

Full Name:

ceroid-lipofuscinosis, neuronal 5

Calculated MW:

407 aa, 46 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

242812H6

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : LNCaP cells, HepG2 cells, A549 cells, HEK-293T cells, NIH/3T3 cells

IF/ICC : A431 cells,

Background Information

The CLN5 (ceroid lipofuscinosis neuronal protein 5) protein is ubiquitously expressed in the majority of tissues studied and in the brain, CLN5 shows both neuronal and glial cell expression. CLN5 plays a role in maintaining an acidic environment in the lysosomes, a critical feature for a functional lysosome (PMID: 38236309). Moreover, CLN5-deficient neuronal progenitor cells showed reduced thioesterase activity, confirming the live cell function of CLN5 in setting S-depalmitoylation levels (PMID: 35427157).

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:

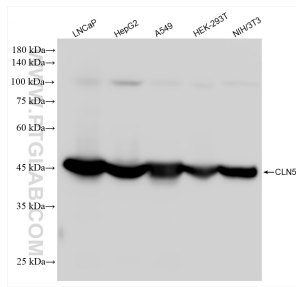
T: 4006900926

E: Proteintech-CN@ptglab.com

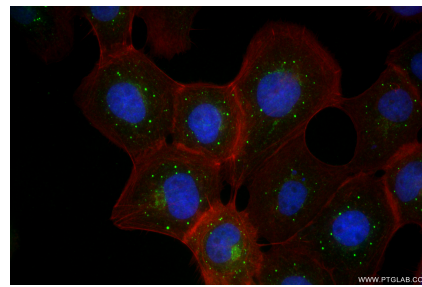
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85378-1-RR (CLN5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CLN5 antibody (85378-1-RR, Clone: 242812H6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).