For Research Use Only

CLTB Monoclonal antibody

Catalog Number:66270-1-Ig 1 Publications

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Basic Information

Catalog Number:
66270-1-Ig

Size:
1700 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG24347

GenBank Accession Number:
BC006457

GeneID (NCBI):
1212

UNIPROT ID:
P09497

Full Name:
clathrin, light chain (Lcb)

Calculated MW:
23 kDa

Observed MW:
32-38 kDa

Purification Method:
Protein G purification

CloneNo.:
1F9C2

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
IF/ICC, IHC, WB,ELISA

Cited Applications:
WB

Species Specificity:
human, pig

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig brain tissue,

IHC : human liver tissue, human kidney tissue

IF/ICC : HeLa cells,

Background Information

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. The clathrin molecule has a triskelion shape. Each clathrin triskelion is composed of three identical heavy chains (180 kDa) and three light chains of two types, LCA (CLTA) and LCB (CLTB) (30-40 kDa). The light chain subunits are thought to regulate the formation or disassembly of clathrin coats. (PMID: 2445759; 8374173; 3563513)

Notable Publications

Author	Pubmed ID	Journal	Application
Mengmeng Qin	31938061	Theranostics	WB

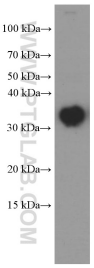
Storage

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

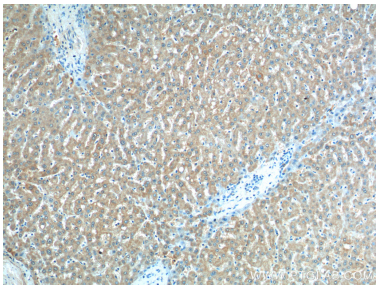
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

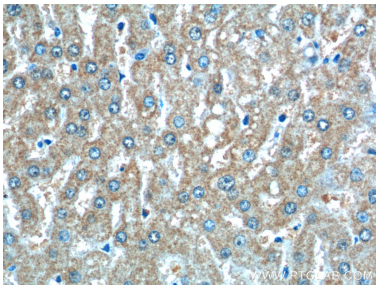
Selected Validation Data



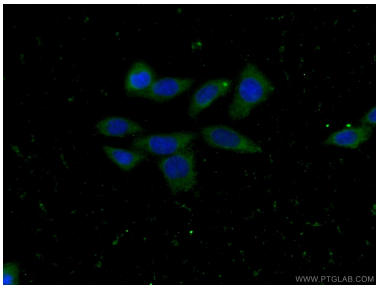
pig brain tissue were subjected to SDS PAGE followed by western blot with 66270-1-Ig (CLTB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66270-1-Ig (CLTB Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66270-1-Ig (CLTB Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20℃ Ethanol) fixed HeLa cells using 66270-1-Ig(CLTB antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).