

For Research Use Only

# CLTB Monoclonal antibody, PBS Only

Catalog Number: 66270-1-PBS



## Basic Information

<b>Catalog Number:</b> 66270-1-PBS	<b>GenBank Accession Number:</b> BC006457	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 1212	<b>CloneNo.:</b> 1F9C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P09497	
<b>Isotype:</b> IgG1	<b>Full Name:</b> clathrin, light chain (Lcb)	
<b>Immunogen Catalog Number:</b> AG24347	<b>Calculated MW:</b> 23 kDa	
	<b>Observed MW:</b> 32-38 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC, IF

**Species Specificity:**  
human, pig

## 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)

## 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:

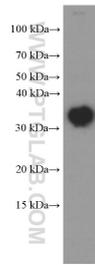
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

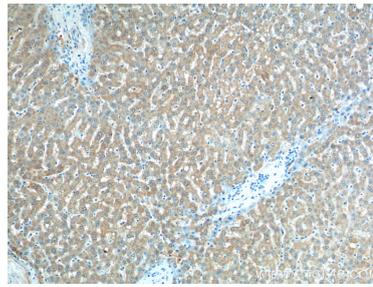
W: [ptgcn.com](http://ptgcn.com)

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

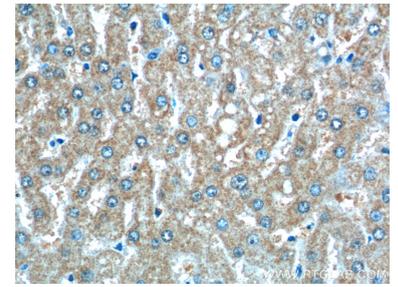
## Selected Validation Data



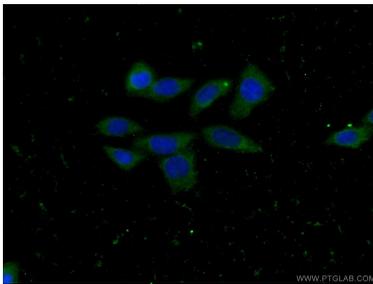
pig brain tissue were subjected to SDS PAGE followed by western blot with 66270-1-Ig (CLTB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66270-1-Ig (CLTB Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66270-1-Ig (CLTB Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66270-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C 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). This data was developed using the same antibody clone with 66270-1-PBS in a different storage buffer formulation.