

For Research Use Only

CLTC Recombinant monoclonal antibody

Catalog Number: 86660-3-RR



Basic Information

Catalog Number:

86660-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25041

GenBank Accession Number:

BC054489

GeneID (NCBI):

1213

UNIPROT ID:

Q00610

Full Name:

clathrin, heavy chain (Hc)

Calculated MW:

192 kDa

Observed MW:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

25163487

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:500-1:2000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat, pig

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: HEK-293 cells, HeLa cells, Jurkat cells, Raji cells, mouse brain tissue, rat brain tissue, pig brain tissue

IP: HEK-293 cells,

IHC: human colon cancer tissue,

IF/ICC: HEK-293 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 (CLTC) (160-190 kDa) and three light chains of two types, LCA (CLTA) and LCB (CLTB) (30-40 kDa). The heavy chain provides the structural backbone of the clathrin lattice. (PMID: 9133677)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

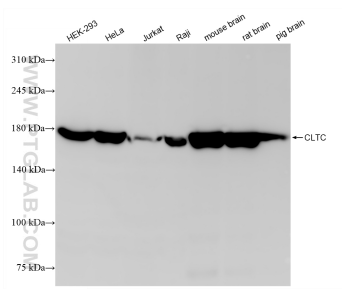
T: 4006900926

E: Proteintech-CN@ptglab.com

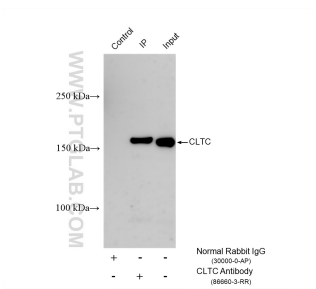
W: ptgcn.com

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

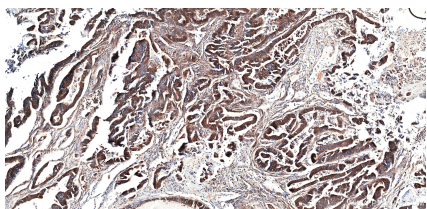
Selected Validation Data



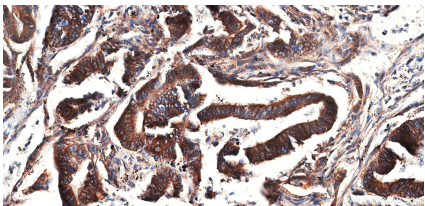
Various lysates were subjected to SDS PAGE followed by western blot with 86660-3-RR (CLTC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



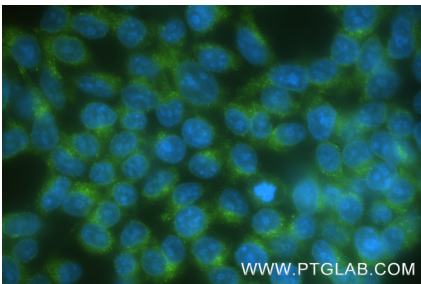
IP result of anti-CLTC (IP:86660-3-RR, 4ug; Detection:86660-3-RR 1:2000) with HEK-293 cells lysate 1200 ug.



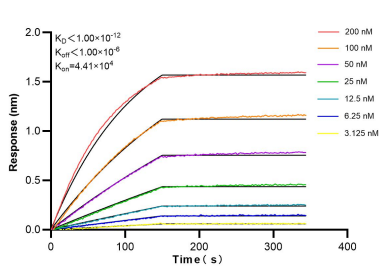
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86660-3-RR (CLTC antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86660-3-RR (CLTC antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HEK-293 cells using CLTC antibody (86660-3-RR, Clone: 251634B7) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bilayer interferometry (BLI) kinetic assays of 86660-3-RR against Human CLTC were performed. The affinity constant is below 1 pM.