

For Research Use Only

CLTC Recombinant monoclonal antibody

Catalog Number: 86660-3-RR



Basic Information

Catalog Number: 86660-3-RR	GenBank Accession Number: BC054489	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1213	CloneNo.: 25163487
Source: Rabbit	UNIPROT ID: Q00610	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
Isotype: IgG	Full Name: clathrin, heavy chain (Hc)	
Immunogen Catalog Number: AG25041	Calculated MW: 192 kDa Observed MW: 180 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : HEK-293 cells, HeLa cells, Jurkat cells, Raji cells, mouse brain tissue, rat brain tissue, pig brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

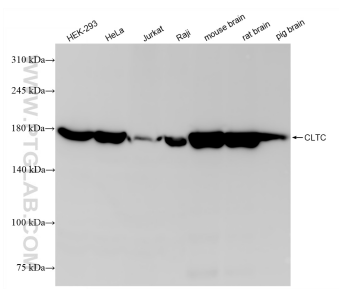
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

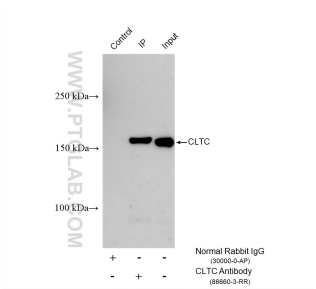
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

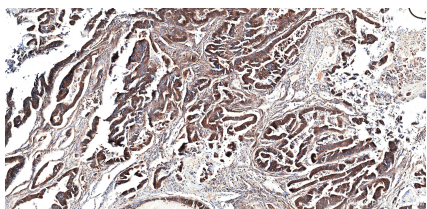
Selected Validation Data



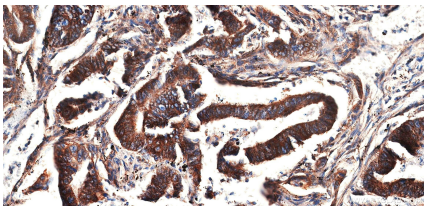
Various lysates were subjected to SDS PAGE followed by western blot with 86660-3-RR (CLTC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



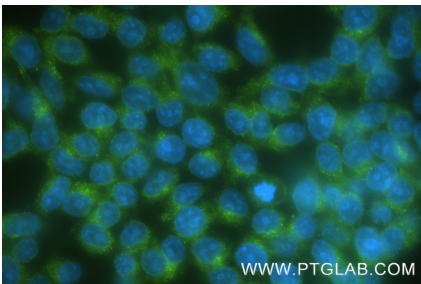
IP result of anti-CLTC (IP:86660-3-RR, 4ug; Detection:86660-3-RR 1:2000) with HEK-293 cells lysate 1200 ug.



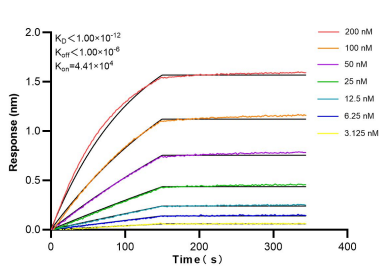
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86660-3-RR (CLTC antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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