

For Research Use Only

CLTC Recombinant monoclonal antibody, PBS Only

Catalog Number: 86660-3-PBS



Basic Information

Catalog Number: 86660-3-PBS	GenBank Accession Number: BC054489	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1213	CloneNo.: 25163487
Source: Rabbit	UNIPROT ID: Q00610	
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, Indirect ELISA

Species Specificity:
human, mouse, rat, 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 (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

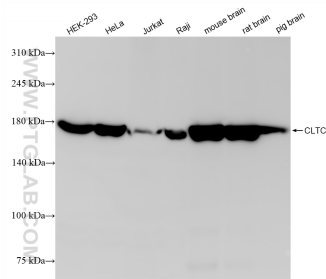
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

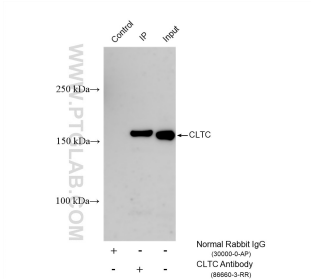
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

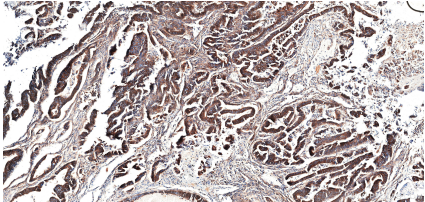
Selected Validation Data



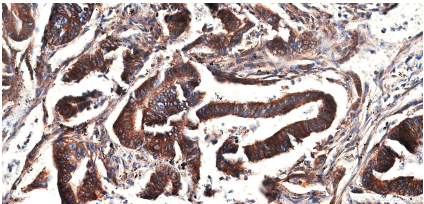
Various lysates were subjected to SDS PAGE followed by western blot with 86660-3-RR (CLTC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86660-3-PBS in a different storage buffer formulation.



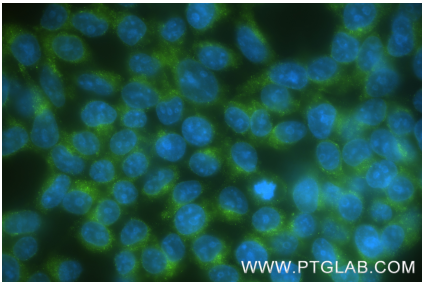
IP result of anti-CLTC (IP:86660-3-RR, 4ug; Detection:86660-3-RR 1:2000) with HEK-293 cells lysate 1200 ug. This data was developed using the same antibody clone with 86660-3-PBS in a different storage buffer formulation.



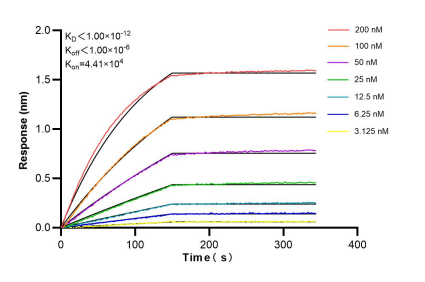
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86660-3-RR (CLTC antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86660-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86660-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86660-3-PBS in a different storage buffer formulation.



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