

# Anti-Clathrin heavy chain Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

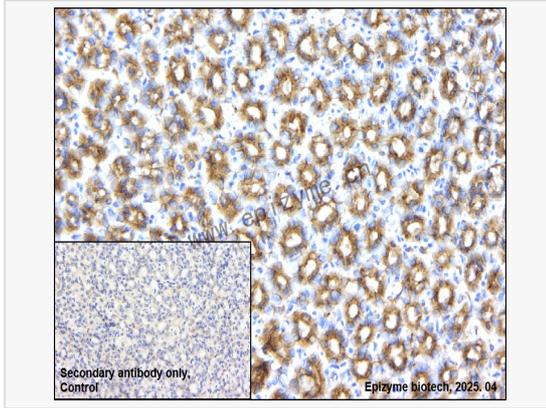
Catalog # R015183

## Product Information

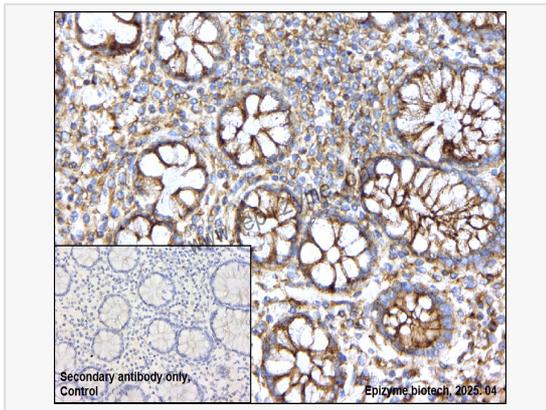
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	59I74D57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Clathrin heavy chain
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Clathrin heavy chain Rabbit mAb [59I74D57] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

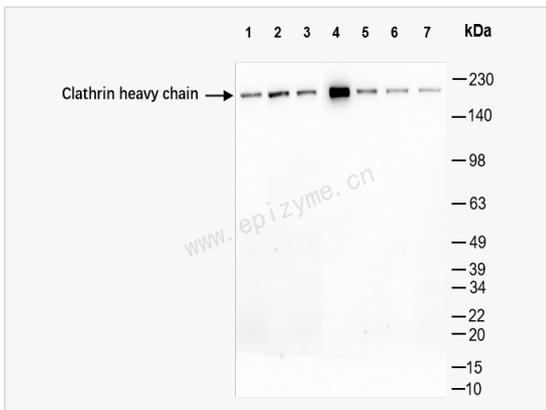
Synonyms	CHC17, Clathrin heavy chain, Clathrin heavy chain 1, Clathrin heavy chain 2, Clathrin heavy chain like 1, Clathrin heavy chain on chromosome 17, Clathrin heavy polypeptide, CLH 17, CLH 22, CLH-17, CLH1_HUMAN, CLH17, CLH22, CLTC, CLTCL, CLTCL1, CLTCL2, CLTD, Hc, KIAA0034.
Calculated MW	Calculated MW: 192 kDa; Observed MW: 192 kDa
Uniprot ID	Q00610, P53675
Gene ID	1213, 8218
Background	Clathrin is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits. These specialized organelles are involved in the intracellular trafficking of receptors and endocytosis of a variety of macromolecules. The basic subunit of the clathrin coat is composed of three heavy chains and three light chains. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasmic vesicle membrane. Membrane > coated pit. Melanosome. Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.



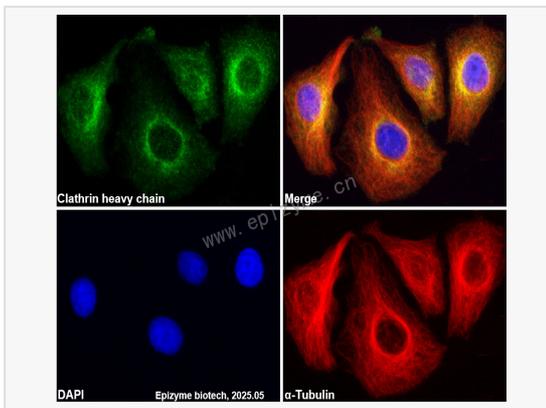
Immunohistochemistry - Anti-Clathrin heavy chain Rabbit mAb [59I74D57]  
 Sample: Paraformaldehyde-fixed, paraffin embedded rat stomach tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015183 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Clathrin heavy chain Rabbit mAb [59I74D57]  
 Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015183 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Western Blot - Anti-Clathrin heavy chain Rabbit mAb [59I74D57]  
 All lanes: R015183 at 1:1,000 dilution  
 Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates  
 Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates  
 Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates  
 Lane 4: Mouse brain whole tissue lysates  
 Lane 5: Mouse liver whole tissue lysates  
 Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates  
 Lane 7: Rat liver whole tissue lysates  
 Lysates/proteins at 10 µg per lane.  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution  
 Predicted band size: 192 kDa  
 Observed band size: 192 kDa  
 Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Clathrin heavy chain Rabbit mAb [59I74D57]  
 Sample: HeLa cells  
 The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.  
 Primary antibodies: R015183 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution  
 Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)  
 Nuclei were stained with DAPI (shown in blue).