

Clathrin heavy chain Rabbit mAb

Catalog NO.: A28030 **Recombinant**

Basic Information

Observed MW

190kDa

Calculated MW

187kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC76141

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.

Recommended Dilutions

WB 1:5000 - 1:30000

IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

IF/ICC 1:200 - 1:1000

IHC-P 1:1500 - 1:6000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

Gene ID

1213

Swiss Prot

Q00610

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

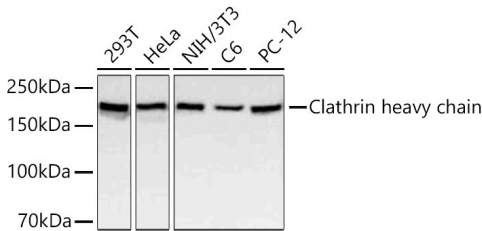
Hc; CHC; CHC17; MRD56; CLH-17; CLTCL2

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.		

Validation Data



Western blot analysis of various lysates using Clathrin heavy chain Rabbit mAb (A28030) at 1:5000 dilution incubated overnight at 4°C.

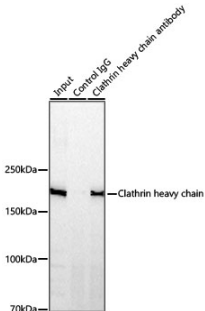
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

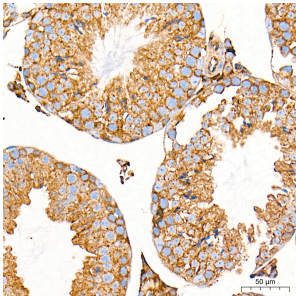
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

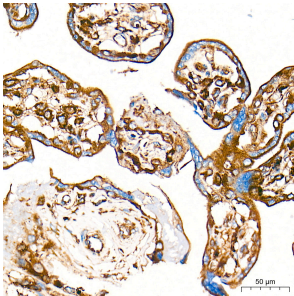
Exposure time: 1s.



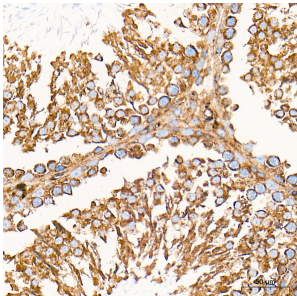
Immunoprecipitation of Clathrin heavy chain from 300 µg extracts of 293F cells was performed using 1 µg of Clathrin heavy chain Rabbit mAb (A28030). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Clathrin heavy chain Rabbit mAb (A28030) at a dilution of 1:5000.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Clathrin heavy chain Rabbit mAb (A28030) at a dilution of 1:5000 (40x



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Clathrin heavy chain Rabbit mAb (A28030) at a dilution of



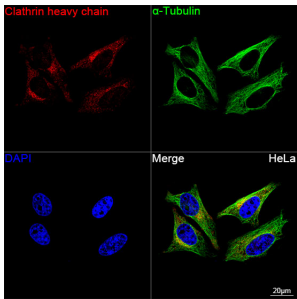
Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using Clathrin heavy chain Rabbit mAb (A28030) at a dilution of 1:5000 (40x lens).

lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

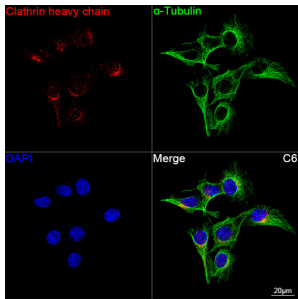
1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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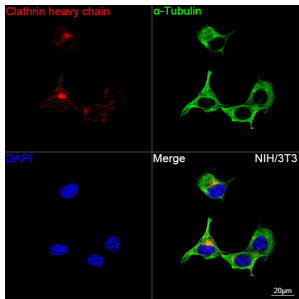
Validation Data



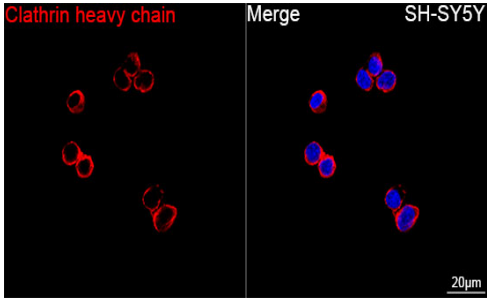
Confocal imaging of HeLa cells using Clathrin heavy chain Rabbit mAb (A28030, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells using Clathrin heavy chain Rabbit mAb (A28030, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using Clathrin heavy chain Rabbit mAb (A28030, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of SH-SY5Y cells using Clathrin heavy chain Rabbit mAb (A28030, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

