

## Clathrin heavy chain Monoclonal Antibody

**CAB4943**

### Description

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This Clathrin heavy chain Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB4943

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** Hc, CHC, CHC17, MRD56, CLH-17, CLTCL2, Clathrin heavy chain

**Clone:** ARC1228

**Applications:**     

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 1213 8218

**Uniprot:** AB\_2863395

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 192kDa

**Calculated MW:** 191kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

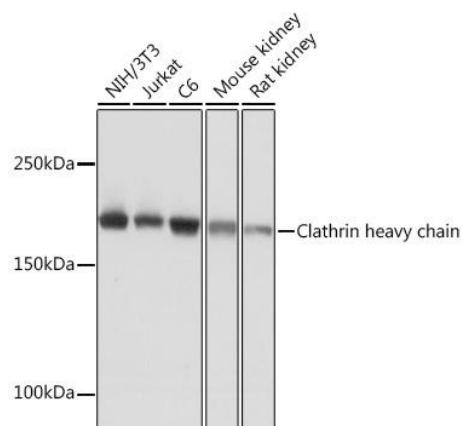
**Positive Sample:** NIH/3T3, Jurkat, C6, Mouse kidney, Rat kidney

**Recommended Dilutions:**

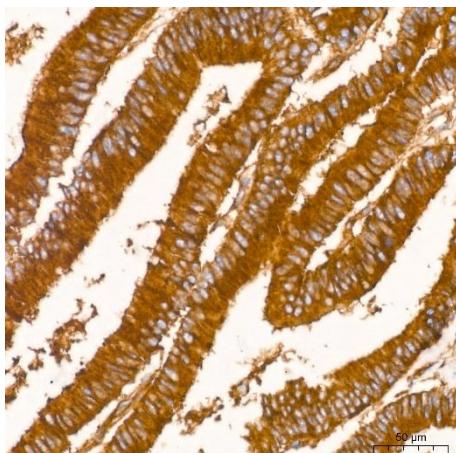
<b>WB</b>	1:1000 - 1:6000
<b>IHC-P</b>	1:200 - 1:2000
<b>IF/ICC</b>	1:100 - 1:400
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

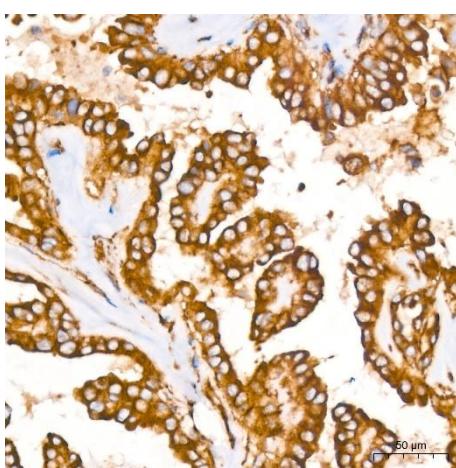
## Validation Data



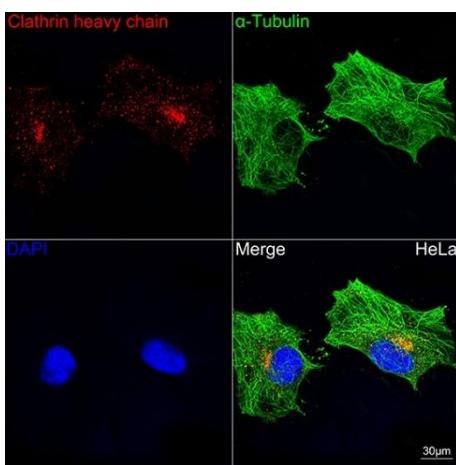
Western blot analysis of various lysates using Clathrin heavy chain Rabbit mAb (CAB4943) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Clathrin heavy chain Rabbit mAb (CAB4943) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Clathrin heavy chain Rabbit mAb (CAB4943) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of HeLa cells using Clathrin heavy chain Rabbit mAb (CAB4943, dilution 1:100) (Red). The cells were counterstained with α-Tubulin Rabbit mAb (, dilution 1:100) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.