

**Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent
anti-Clathrin Heavy Chain
Recombinant Antibody
Catalog # APR10233**

Specification

**Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent
anti-Clathrin Heavy Chain - Product Information**

Application	FC, E, FTA
Primary Accession	Q00610
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145.62 KDa

**Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent
anti-Clathrin Heavy Chain - Additional Information**

Target/Specificity

Clathrin Heavy Chain / CHC

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Storage

-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent
anti-Clathrin Heavy Chain - Protein Information**

Name CLH1

Function

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network. Acts as a component of the TACC3/ch-TOG/clathrin complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by acting as inter-microtubule bridge

(PubMed:15858577, PubMed:16968737, PubMed:21297582). The TACC3/ch-TOG/clathrin complex is required for the maintenance of kinetochore fiber tension (PubMed:23532825). Plays a role in early autophagosome formation (PubMed:20639872). Interaction with DNAJC6 mediates the recruitment of HSPA8 to the clathrin lattice and creates local destabilization of the lattice promoting uncoating (By similarity).

Cellular Location

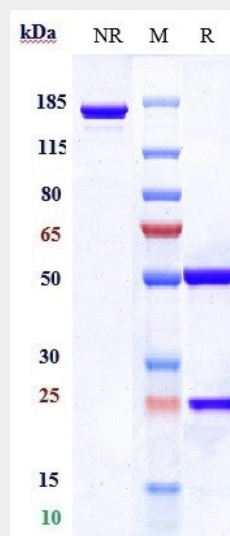
Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Membrane, coated pit; Peripheral membrane protein; Cytoplasmic side. Melanosome. Cytoplasm, cytoskeleton, spindle. Note=Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In complex with TACC3 and CKAP5 (forming the TACC3/ch-TOG/clathrin complex) localized to inter-microtubule bridges in mitotic spindles.

Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent anti-Clathrin Heavy Chain - Protocols

Provided below are standard protocols that you may find useful for product applications.

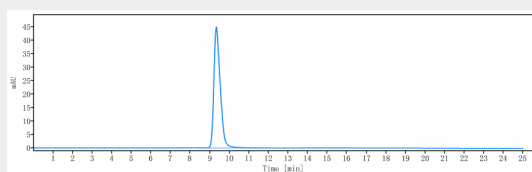
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent anti-Clathrin Heavy Chain - Images



Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent anti-Clathrin Heavy Chain) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The

purity of the protein is greater than 90%



The purity of Anti-Clathrin Heavy Chain / CHC Reference Antibody (Academia Sinica patent anti-Clathrin Heavy Chain) is more than 95% ,determined by SEC-HPLC.