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

Recombinant Antibody
Catalog # APR10233

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q00610
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	191615

Additional Information

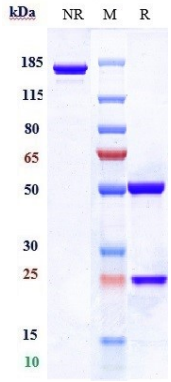
Target/Specificity	Clathrin Heavy Chain / CHC
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

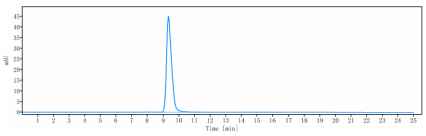
Name	CLH1
Function	Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans- Golgi network. Acts as a component of the TACC3/ch-TOG/clathrin complex proposed to contribute 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.

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.