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KD-Validated Anti-Clathrin Heavy Chain Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1984

Product Information

Application	WB, FC, ICC
Primary Accession	Q00610
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB6960
Calculated MW	191615
Gene Name	CLTC
Aliases	CLTC; Clathrin Heavy Chain; CLTCL; Hc; Clathrin Heavy Chain On Chromosome 17; Clathrin, Heavy Polypeptide-Like 2; Clathrin, Heavy Polypeptide (Hc); Clathrin Heavy Chain 1; CLH-17; Clathrin, Heavy Chain (Hc); Clathrin, Heavy Chain; KIAA0034; CHC17; MRD56; CLH17; CHC
Immunogen	A synthesized peptide derived from human Clathrin heavy chain

Additional Information

Gene ID	1213
Other Names	Clathrin heavy chain 1, Clathrin heavy chain on chromosome 17, CLH-17, CLH1

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.

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