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Clathrin Heavy Chain Rabbit mAb

Catalog # AP76441

Product Information

Application	WB, IHC-P
Primary Accession	Q00610
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	191615

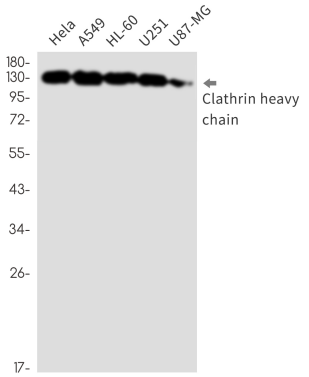
Additional Information

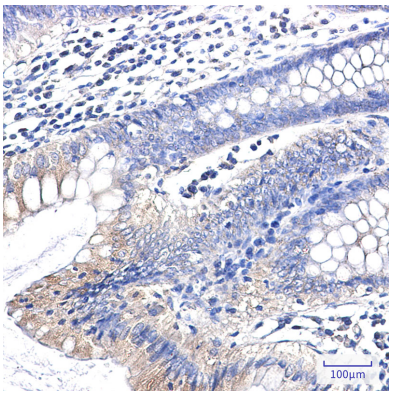
Gene ID	1213
Other Names	CLTC
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

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





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