

ARG42498 anti-CLTC / Clathrin heavy chain antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CLTC / Clathrin heavy chain
Tested Reactivity	Hu, Ms, Rat, Dog, Mk
Tested Application	ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CLTC / Clathrin heavy chain
Species	Human
Immunogen	Purified recombinant peptide within aa. 50 to the N-terminus of Human CLTC / Clathrin heavy chain.
Conjugation	Un-conjugated
Alternate Names	CHC17; CHC; Clathrin heavy chain 1; Hc; CLH-17; CLTCL2; Clathrin heavy chain on chromosome 17

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:25 - 1:250
	WB	1:250 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	AtT-20	
Observed Size	~ 185 kDa	

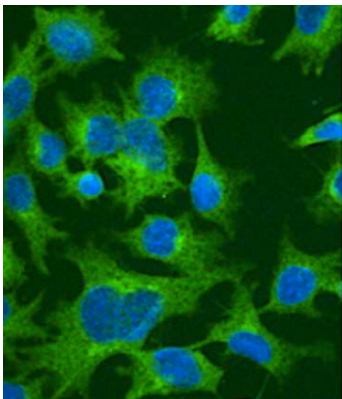
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Sodium azide and 20% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	20% Glycerol
Concentration	2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

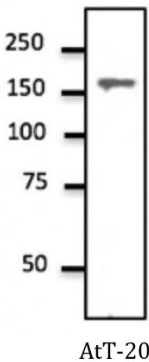
Gene Symbol	CLTC
Gene Full Name	clathrin, heavy chain (Hc)
Background	Clathrin is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits. These specialized organelles are involved in the intracellular trafficking of receptors and endocytosis of a variety of macromolecules. The basic subunit of the clathrin coat is composed of three heavy chains and three light chains. [provided by RefSeq, Jul 2008]
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 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). [UniProt]
Calculated Mw	192 kDa
Cellular Localization	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. [UniProt]

Images



ARG42498 anti-CLTC / Clathrin heavy chain antibody ICC/IF image

Immunofluorescence: Hepa1-6 cells were fixed with methanol. Cells were stained with ARG42498 anti-CLTC / Clathrin heavy chain antibody (green) at 1:50 dilution. Nuclear staining (blue).



ARG42498 anti-CLTC / Clathrin heavy chain antibody WB image

Western blot: 100 µg of AtT-20 cell lysate stained with ARG42498 anti-CLTC / Clathrin heavy chain antibody at 1:500 dilution.