
Product Name: KD-Validated Clathrin Heavy Chain Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00615**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 191.6kDa

Antigen Information

Gene Name	CLTC CLTC; Clathrin Heavy Chain; CLTCL; Hc; Clathrin Heavy Chain On Chromosome 17; Clathrin,
Alternative Names	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
Gene ID	1213.0
SwissProt ID	Q00610
Immunogen	A synthesized peptide derived from human Clathrin heavy chain

Background

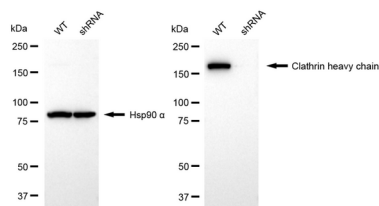
Clathrin is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits.

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]

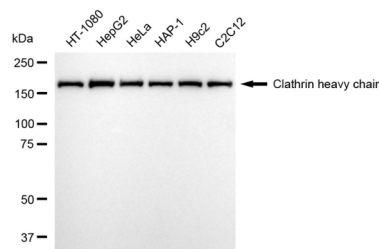
Research Area

Signal Transduction, Tags & Cell Markers

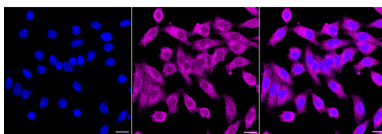
Image Data



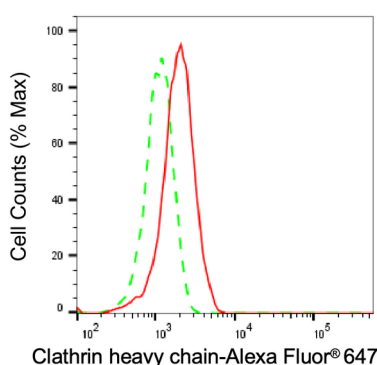
Western blotting analysis using clathrin heavy chain antibody (KVA00615). Clathrin heavy chain expression in wild-type (WT) and clathrin heavy chain (CLTC) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with clathrin heavy chain antibody (KVA00615, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using clathrin heavy chain antibody (KVA00615). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with clathrin heavy chain antibody (KVA00615, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Clathrin heavy chain antibody (KVA00615, 1:1,000). Nuclei were stained blue with DAPI; Clathrin heavy chain was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Clathrin heavy chain expression in HepG2 cells using Clathrin heavy chain antibody (KVA00615, 1:2,000). Green, isotype control; red, Clathrin heavy chain.