

CLH1 Polyclonal Antibody

Catalog No :	YN2799
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	CLH1
Fields :	>>Lysosome;>>Endocytosis;>>Synaptic vesicle cycle;>>Endocrine and other factor-regulated calcium reabsorption;>>Huntington disease;>>Bacterial invasion of epithelial cells
Gene Name :	CLTC CLH17 CLTCL2 KIAA0034
Protein Name :	Clathrin heavy chain 1 (Clathrin heavy chain on chromosome 17) (CLH-17)
Human Gene Id :	1213
Human Swiss Prot No :	Q00610
Immunogen :	Synthesized peptide derived from part region of human protein AA range: 482-532
Specificity :	CLH1 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 184kD

Cell Pathway : Lysosome;Endocytosis;Huntington's disease;

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 : 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.,online information:Clathrin entry,similarity:Belongs to the clathrin heavy chain family.,subcellular location:Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Clathrin triskelions, composed of 3 heavy chains and 3 light chains, are the basic subunits of the clathrin coat. In the presence of light chains, hub assembly is influenced by both the pH and the concentration of calcium. Interacts with HIP1.,

Subcellular Location : Cytoplasmic vesicle membrane ; Peripheral membrane protein ; Cytoplasmic side . Membrane, coated pit ; Peripheral membrane protein ; Cytoplasmic side . Melanosome . Cytoplasm, cytoskeleton, spindle . 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. .

Expression : Bone marrow,Brain,Cervix carcinoma,Colon,Epithelium,Fetal kidney,Hepatoma,Mammary c

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