



# Anti-CLTC Heavy Chain monoclonal antibody, clone BF-06 (CABT-54625MC)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

This product specifically recognises clathrin heavy chain (CHC), a ubiquitously expressed protein and major component of clathrin-coated vesicles and pits, which combines with clathrin light chains (CLC) to form clathrin triskelions (3CHC and 3CLC), which then self-assemble into a polyhedral coat. Clathrin-coated vesicles and pits are involved in receptor-mediated endocytosis and secretory vesicle formation, and are linked with the plasma membrane or trans-Golgi network by adaptor proteins. Western Blotting detects a band of approximately 180kDa in mouse and porcine brain cell lysates, and in rat basophilic leukaemia (RBL) and human cervical adenocarcinoma (HeLa) cell lysates.

Specificity	CLTC
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Mouse, Bovine, Human, Pig, Rat
Clone	BF-06
Conjugate	Unconjugated
Applications	ELISA; IF; IP; WB
Format	Purified IgM - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

Gene Name	<a href="#">Cltc clathrin, heavy polypeptide (Hc) [ Mus musculus (house mouse) ]</a>
Official Symbol	CLTC
Synonyms	CLTC; clathrin, heavy polypeptide (Hc); CHC; R74732; 3110065L21Rik; clathrin heavy chain 1;
Entrez Gene ID	<a href="#">67300</a>
Protein Refseq	<a href="#">NP_001003908</a>
UniProt ID	Q68FD5
Chromosome Location	11 C; 11
Pathway	Adaptive Immune System; Bacterial invasion of epithelial cells; Clathrin derived vesicle budding; Endocrine and other factor-regulated calcium reabsorption; Endocytosis; Golgi Associated Vesicle Biogenesis; Huntingtons disease; IL-7 Signaling Pathway;
Function	ankyrin binding; clathrin light chain binding; double-stranded RNA binding; heat shock protein binding; peptide binding; poly(A) RNA binding; protein C-terminus binding; protein binding; structural molecule activity;