SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0059-200	400 µg

Anti-Clathrin HC

Source: Goat

General description: Goat polyclonal to Clathrin Heavy Chain. Clathrin is formed by three clathrin heavy chains and three light chains. This protein is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits. These specialized organelles are involved in endocytosis of a variety of macromolecules and in the intracellular trafficking of receptors.

Alternative names: clathrin, clathrin heavy chain 1, clathrin heavy polypeptide (Hc), clathrin heavy polypeptide-like 2, CLTC, CHC17, CLH-17, CLTCL2, Hc, heavy chain (Hc) antibody.

Form: Polyclonal antibody supplied as a 200 ?l (2 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum

Immunogen: Purified recombinant peptide derived from within residues 50 aa to N-terminus of human CLTC produced in E. coli.

Specificity: Detects endogenous levels of total CLTC by Western blot in the whole cell lysates (MDCK, At-T20, COS-7).

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	+++	ND
Rat	+++	ND	ND	+++	ND
Mouse	+++	ND	ND	+++	ND
Canine	+++	ND	ND	+++	ND
Monkey	+++	ND	ND	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:250-1:1,000

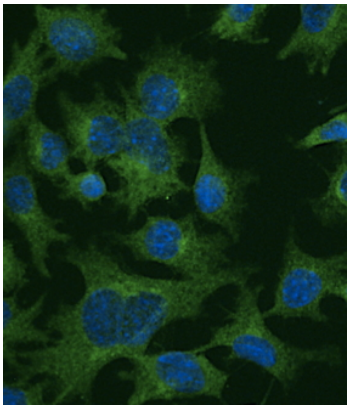
IF: 1:25-1:250

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

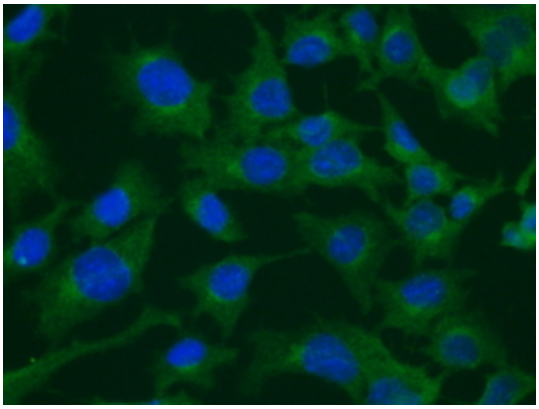
Special instructions: The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

References:

1. Imbastari F, PhD Thesis, Humboldt-Universität zu Berlin, Germany 2020
2. Caì Y, Postnikova EN, Bernbaum JG, et al. J Virol. 2015 Jan 1;89(1):844-56. PMID: 25355889



Immunofluorescence – anti-CLTC Ab – Membrane Vesicle Marker in Hepa1-6 cells at 1/50 dilution; cells were fixed with methanol;



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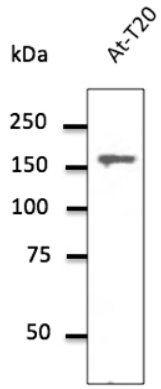

Endogenous CLTC detected with at 1/500 dilution; lysate at 100 µg per lane and rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.