

**FCSD2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20110b**

**Specification**

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**FCSD2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O94868</a>
Other Accession	<a href="#">NP_055639.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	84276
Antigen Region	706-734

**FCSD2 Antibody (C-term) - Additional Information**

**Gene ID** 9873

**Other Names**

FCH and double SH3 domains protein 2, Carom, SH3 multiple domains protein 3, FCHSD2, KIAA0769, SH3MD3

**Target/Specificity**

This FCSD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 706-734 amino acids from the C-terminal region of human FCSD2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FCSD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FCSD2 Antibody (C-term) - Protein Information**

**Name** FCHSD2

**Synonyms** KIAA0769, SH3MD3

**Function** Adapter protein that plays a role in endocytosis via clathrin-coated pits. Contributes to the internalization of cell surface receptors, such as integrin ITGB1 and transferrin receptor (PubMed:[29887380](#)). Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling (PubMed:[30249660](#)). Recruited to clathrin-coated pits during a mid-to- late stage of assembly, where it is required for normal progress from U-shaped intermediate stage pits to terminal, omega-shaped pits (PubMed:[29887380](#)). Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (PubMed:[29887380](#)). When bound to membranes, promotes actin polymerization via its interaction with WAS and/or WASL which leads to the activation of the Arp2/3 complex. Does not promote actin polymerisation in the absence of membranes (PubMed:[29887380](#)).

#### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q3USJ8}. Cell junction. Membrane, clathrin-coated pit. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q3USJ8}. Note=Partially localized at clathrin-coated pits at the cell membrane (PubMed:30249660). Detected at the cell membrane at sites around clathrin-coated pits, very close to the clathrin-coated pits but not an intrinsic part of the clathrin-coated pits (PubMed:29887380) Colocalizes at cell-cell contacts with CDH1, but is not detected at tight junctions (PubMed:14627983).

#### Tissue Location

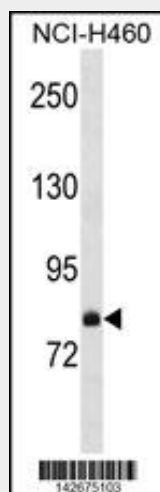
Liver, brain, heart, placenta, skeletal muscle, pancreas, lung and kidney.

### FCSD2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### FCSD2 Antibody (C-term) - Images



FCSD2 Antibody (C-term) (Cat. #AP20110b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the FCSD2 antibody detected the FCSD2 protein (arrow).

#### **FCSD2 Antibody (C-term) - Background**

The function of this protein is unknown.

#### **FCSD2 Antibody (C-term) - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :  
Thalappilly, S., et al. Proteomics 8(15):3071-3081(2008)  
Taylor, T.D., et al. Nature 440(7083):497-500(2006)  
Katoh, M., et al. Int. J. Mol. Med. 13(5):749-754(2004)  
Coyle, I.P., et al. Neuron 41(4):521-534(2004)