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FCSD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20110b

Specification

FCSD2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O94868
Other Accession	NP_055639.2
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
E~~Use at an assay dependent concentration.

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 Cytomety
- Cell Culture

FCSD2 Antibody (C-term) - Images

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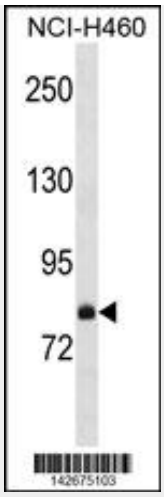

FCSD2 Antibody (C-term) (Cat. #AP20110b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the FCSD2 antibody detected the FCSD2 protein (arrow).

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)