

Anti-Carom / FCHSD2 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17762**Specification****Anti-Carom / FCHSD2 Antibody - Product Information**

Application	IHC-P
Primary Accession	O94868
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84276

Anti-Carom / FCHSD2 Antibody - Additional Information**Gene ID** 9873**Alias Symbol** **FCHSD2****Other Names**

FCHSD2, Carom, FCH and double SH3 domains 2, NWK, KIAA0769, Nervous wreck homolog, SH3 multiple domains 3, SH3 multiple domains protein 3, SH3MD3

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-Carom / FCHSD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Carom / FCHSD2 Antibody - 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:<[a href="http://www.uniprot.org/citations/29887380" target="_blank">29887380](http://www.uniprot.org/citations/29887380)). Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling (PubMed:<[a href="http://www.uniprot.org/citations/30249660" target="_blank">30249660](http://www.uniprot.org/citations/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:<[a href="http://www.uniprot.org/citations/29887380" target="_blank">29887380](http://www.uniprot.org/citations/29887380)). Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (PubMed:<[a href="http://www.uniprot.org/citations/29887380" target="_blank">29887380](http://www.uniprot.org/citations/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.

Anti-Carom / FCHSD2 Antibody - 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](#)

Anti-Carom / FCHSD2 Antibody - Images