

FCHSD1 Antibody

Catalog # ASC11382

Product Information

Application	WB, E
Primary Accession	Q86WN1
Other Accession	NP_258260 , 28875786
Reactivity	Human, Mouse
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	76942
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FCHSD1 antibody can be used for detection of FCHSD1 by Western blot at 0.5 - 1 μ g/mL.

Additional Information

Gene ID	89848
Other Names	FCH and double SH3 domains protein 1, FCHSD1
Target/Specificity	FCHSD1; Multiple isoforms of FCHSD1 are known to exist. FCHSD1 antibody is predicted to not cross-react with FCHSD2
Reconstitution & Storage	FCHSD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	FCHSD1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FCHSD1
Function	Promotes actin polymerization mediated by SNX9 and WASL.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q6PFY1}. Perikaryon {ECO:0000250 UniProtKB:Q6PFY1}. Cell projection {ECO:0000250 UniProtKB:Q6PFY1}. Cytoplasmic vesicle {ECO:0000250 UniProtKB:Q6PFY1}. Note=Detected on neuronal cell bodies and cell projections, in part on cytoplasmic vesicles {ECO:0000250 UniProtKB:Q6PFY1}

Background

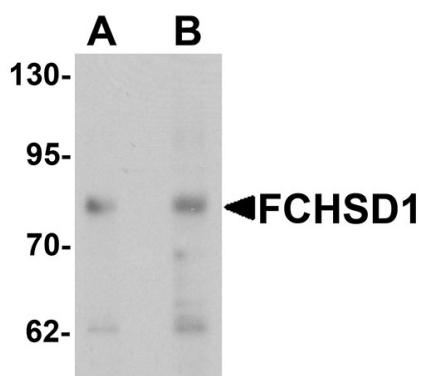
FCHSD1 Antibody: The FCH and double SH3 domains protein 1 (FCHSD1, also known as NWK2) and the related protein FCHSD2 were initially identified in silico as distantly related proteins to FNBP1 and FNBP2. Both share the common domain structure consisting of FCH, FBH, two SH3 and C-terminal proline-rich domains. While little is known of the function of FCHSD1, the related protein NWK is an adaptor protein that is thought to regulate Rho activity downstream of Robo receptors, suggesting that FCHSD1 may be involved in synaptic morphology by regulating actin dynamics in presynaptic terminals.

References

Kato M and Kato M. Identification and characterization of human FCHSD1 and FCHSD2 genes in silico. *Int. J. Mol. Med.* 2004; 13:749-54.

Coyle IP, Koh YH, Lee WC, et al. Nervous wreck, an SH3 adaptor protein that interacts with Wsp, regulates synaptic growth in drosophila. *Neuron* 2004; 41:521-34

Images



Western blot analysis of FCHSD1 in MCF7 cell lysate with FCHSD1 antibody at (A) 0.5 and (B) 1 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.