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FCHO2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18034c

Product Information

Application	WB, E
Primary Accession	Q0JRZ9
Other Accession	Q3UQN2, NP_620137.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28095
Calculated MW	88924
Antigen Region	137-165

Additional Information

Gene ID	115548
Other Names	FCH domain only protein 2, FCHO2
Target/Specificity	This FCHO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-165 amino acids from the Central region of human FCHO2.
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	FCHO2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FCHO2
Function	Functions in an early step of clathrin-mediated endocytosis. Has both a membrane binding/bending activity and the ability to recruit proteins essential to the formation of functional clathrin-coated pits. Has a lipid-binding activity with a preference for membranes enriched in

phosphatidylserine and phosphoinositides (Pi(4,5) biphosphate) like the plasma membrane. Its membrane-bending activity might be important for the subsequent action of clathrin and adaptors in the formation of clathrin-coated vesicles. Involved in adaptor protein complex AP-2-dependent endocytosis of the transferrin receptor, it also functions in the AP-2-independent endocytosis of the LDL receptor.

Cellular Location

Membrane, clathrin-coated pit; Peripheral membrane protein; Cytoplasmic side. Note=Associated with forming but not mature clathrin- coated vesicles. The recruitment to coated-pits precede the one of clathrin and the adaptor protein complex AP-2 (By similarity)

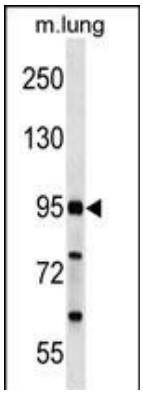
Background

FCHO2 may play a role in membrane remodeling by imposing and stabilizing particular membrane curvatures.

References

Henne, W.M., et al. Structure 15(7):839-852(2007)
Katoh, M., et al. Int. J. Mol. Med. 14(2):327-331(2004)

Images



FCHO2 Antibody (Center) (Cat. #AP18034c) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the FCHO2 antibody detected the FCHO2 protein (arrow).