10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FA21A Rabbit Polyclonal Antibody

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Catalog # AP93566

Product Information

Application	WB
Primary Accession	Q641Q2
Reactivity	Human, Rat, Mouse
Host	Polyclonal, Rabbit,IgG
Clonality	Polyclonal
Calculated MW	147184

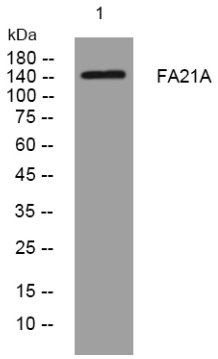
Additional Information

Gene ID	387680
Other Names	WASH complex subunit 2A {ECO:0000312|HGNC:HGNC:23416}, WASHC2A (HGNC:23416)
Dilution	WB~~1:1000
Storage Conditions	-20℃

Protein Information

Name	WASHC2A (HGNC:23416)
Function	Acts at least in part as component of the WASH core complex whose assembly at the surface of endosomes inhibits WASH nucleation- promoting factor (NPF) activity in recruiting and activating the Arp2/3 complex to induce actin polymerization and is involved in the fission of tubules that serve as transport intermediates during endosome sorting. Mediates the recruitment of the WASH core complex to endosome membranes via binding to phospholipids and VPS35 of the retromer CSC. Mediates the recruitment of the F-actin-capping protein dimer to the WASH core complex probably promoting localized F-actin polymerization needed for vesicle scission. Via its C-terminus binds various phospholipids, most strongly phosphatidylinositol 4-phosphate (PtdIns- (4)P), phosphatidylinositol 5-phosphate (PtdIns-(5)P) and phosphatidylinositol 3,5-bisphosphate (PtdIns-(3,5)P2). Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1. Required for the association of DNAJC13, ENTR1, ANKRD50 with retromer CSC subunit VPS35. Required for the endosomal recruitment of CCC complex subunits COMMD1 and CCDC93 as well as the retriever complex subunit VPS35L.
Cellular Location	Early endosome membrane. Cell membrane {ECO:0000250|UniProtKB:Q9Y4E1}

Images



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4°over night