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ANKFY1 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15383

Product Information

Application	WB
Primary Accession	Q9P2R3
Other Accession	NM_020740, NP_065791
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128399

Additional Information

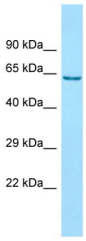
Gene ID	51479
Alias Symbol	ANKHZN, DKFZp686M19106, KIAA1255, ZFYVE14
Other Names	Rabankyrin-5, Rank-5, Ankyrin repeat and FYVE domain-containing protein 1, Ankyrin repeats hooked to a zinc finger motif, ANKFY1, ANKHZN, KIAA1255
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ANKFY1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ANKFY1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANKFY1 (HGNC:20763)
Synonyms	ANKHZN, KIAA1255
Function	Proposed effector of Rab5 (PubMed: 15328530). Binds to phosphatidylinositol 3-phosphate (PI[3]P) (PubMed:15328530). Involved in homotypic early endosome fusion and to a lesser extent in heterotypic fusion of clathrin-coated vesicles with early endosomes (PubMed:15328530). Involved in macropinocytosis; the function is dependent on Rab5-GTP (PubMed:15328530). Required for correct endosomal localization (PubMed:15328530). Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB (PubMed:24102721). Regulates the subcellular localization of the retromer complex in a

	EHD1-dependent manner (PubMed:22284051). Involved in endosome-to-Golgi transport and biosynthetic transport to late endosomes and lysosomes indicative for a regulation of retromer complex-mediated retrograde transport (PubMed:22284051). Required for podocyte migration (PubMed:29959197).
Cellular Location	Cytoplasm. Endosome membrane; Peripheral membrane protein. Early endosome. Note=Also associated with endosomal membranes. Localizes to macropinosomes (PubMed:15328530). On endosomes, partially colocalizes with components of the retromer (PubMed:22284051).
Tissue Location	High expression in whole adult brain and intermediate expression in all other tissues and specific brain regions examined, including fetal brain (PubMed:10574462, PubMed:10940552) Expressed in podocytes (at protein level) (PubMed:29959197)

Images



WB Suggested Anti-ANKFY1 Antibody Titration: 1.0 µg/ml
Positive Control: 721_B Whole CellANKFY1 is supported by BioGPS gene expression data to be expressed in 721_B

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