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(DANRE) ric8b Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb21572b

Product Information

Application	WB, E
Primary Accession	Q6DRJ9
Reactivity	Human, Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB48438
Calculated MW	59522

Additional Information

Gene ID	334503
Other Names	Synembryn-B, Protein Ric-8B, Synembryn-like, ric8b, synbl
Target/Specificity	This DANRE ric8b antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 444-478 amino acids from the C-terminal region of DANRE ric8b.
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	(DANRE) ric8b Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ric8b
Synonyms	synbl {ECO:0000303|PubMed:15256591}
Function	Chaperone that specifically binds and folds nascent G(s) G- alpha proteins (GNAS and GNAL) prior to G protein heterotrimer formation, promoting their association with the plasma membrane. Also acts as a guanine nucleotide exchange factor (GEF) for G(s) proteins by stimulating exchange of bound GDP

	for free GTP. Acts as an important component for odorant signal transduction by mediating GNAL (G(olf)- alpha) folding, thereby promoting-dependent cAMP accumulation in olfactory sensory neurons.
Cellular Location	Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q80XE1}. Note=Localizes to the cell cortex {ECO:0000250|UniProtKB:Q80XE1}

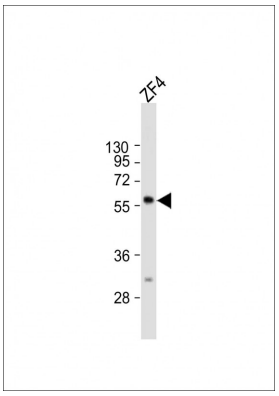
Background

Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins by exchanging bound GDP for free GTP.

References

Amsterdam A.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:12792-12797(2004).

Images



Anti-ric8b Antibody (C-term) at 1:2000 dilution + ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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