

(DANRE) ric8b Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # Azb21572b

Product Information

| Application | WB, E |
|-------------------|------------------|
| Primary Accession | <u>Q6DRJ9</u> |
| Reactivity | Human, Zebrafish |
| Host | Rabbit |
| Clonality | polyclonal |
| lsotype | 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} |

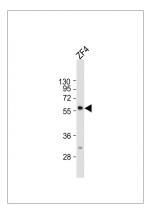
Background

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'.