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RIC8A Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17108c

Specification

RIC8A Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9NPQ8
Other Accession	Q4R720, NP_068751.4
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**59710**
Antigen Region	**244-272**

RIC8A Antibody (Center) - Additional Information

Gene ID 60626

Other Names
Synembryn-A, Protein Ric-8A, RIC8A

Target/Specificity
This RIC8A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-272 amino acids from the Central region of human RIC8A.

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
RIC8A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RIC8A Antibody (Center) - Protein Information

Name RIC8A {ECO:0000303|PubMed:25074811, ECO:0000312|HGNC:HGNC:29550}

Function Chaperone that specifically binds and folds nascent G alpha proteins prior to G protein heterotrimer formation, promoting their stability and activity: folds GNAI1, GNAO1, GNA13 and GNAQ (By similarity). Does not fold G(s) G-alpha proteins GNAS nor GNAL (By similarity). Also acts as a guanine nucleotide exchange factor (GEF) for G alpha proteins by stimulating exchange of bound GDP for free GTP (By similarity). Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein (GNAI1), possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation (PubMed:16629901).

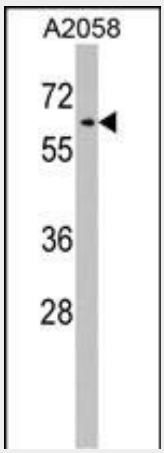
Cellular Location
Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q80ZG1}. Cytoplasm {ECO:0000250|UniProtKB:Q80ZG1}

RIC8A Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RIC8A Antibody (Center) - Images



RIC8A Antibody (Center) (Cat. #AP17108c) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the RIC8A antibody detected the RIC8A protein (arrow).

RIC8A Antibody (Center) - Background

Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.

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RIC8A Antibody (Center) - References

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