

RALGDS Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18831C**Specification**

RALGDS Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q12967
Other Accession	NP_006257.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	100607
Antigen Region	531-559

RALGDS Antibody (Center) - Additional Information**Gene ID** 5900**Other Names**

Ral guanine nucleotide dissociation stimulator, RalGDS, Ral guanine nucleotide exchange factor, RalGEF, RALGDS, KIAA1308, RGF

Target/Specificity

This RALGDS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 531-559 amino acids from the Central region of human RALGDS.

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

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

RALGDS Antibody (Center) - Protein Information**Name** RALGDS

Synonyms KIAA1308, RGF

Function Functions as a guanine nucleotide exchange factor (GEF) activating either RalA or RalB GTPases and plays an important role in intracellular transport. Interacts and acts as an effector molecule for R-Ras, H-Ras, K-Ras, and Rap (By similarity). During bacterial clearance, recognizes 'Lys-33'-linked polyubiquitinated TRAF3 and subsequently mediates assembly of the exocyst complex (PubMed:[27438768](#)).

Cellular Location

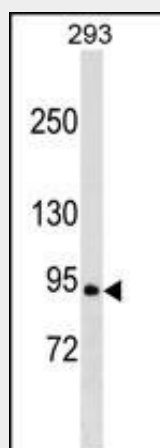
Cytoplasm {ECO:0000250|UniProtKB:Q03385}. Nucleus {ECO:0000250|UniProtKB:Q03385}.
Note=Localizes mainly in the peripheral region of the cytoplasmic membrane in oocytes and in preimplantation embryos until the 8-cell stage. Between the late 1-cell and the early 2-cell stages, nuclear localization becomes stronger. After the 4-cell stage, not detected in the nucleus.
{ECO:0000250|UniProtKB:Q03385}

RALGDS 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 Cytometry](#)
- [Cell Culture](#)

RALGDS Antibody (Center) - Images



RALGDS Antibody (Center)(Cat. #AP18831c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the RALGDS antibody detected the RALGDS protein (arrow).

RALGDS Antibody (Center) - Background

Guanine nucleotide dissociation stimulators (GDSs, or exchange factors), such as RALGDS, are effectors of Ras-related GTPases (see MIM 190020) that participate in signaling for a variety of cellular processes.

RALGDS Antibody (Center) - References

Fuentes, G., et al. Trends Biochem. Sci. 34(11):533-539(2009)
Maehama, T., et al. J. Biol. Chem. 283(50):35053-35059(2008)
Rondaij, M.G., et al. Blood 112(1):56-63(2008)
Omholt, K., et al. Melanoma Res. 17(6):410-412(2007)
Yin, J., et al. Mol. Cell. Biol. 27(21):7538-7550(2007)