

RALGDS Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18831c**Specification**

RALGDS Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q12967](#)**RALGDS Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5900**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RALGDS Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RALGDS Antibody (Center) Blocking Peptide - Images

RALGDS Antibody (Center) Blocking Peptide - Background

Guanine nucleotide dissociation stimulators (GDSs, orexchange factors), such as RALGDS, are effectors of Ras-relatedGTPases (see MIM 190020) that participate in signaling for avariety of cellular processes.

RALGDS Antibody (Center) Blocking Peptide - 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)