10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAB2B Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17933c

Specification

RAB2B Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8WUD1

RAB2B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84932

Other Names
Ras-related protein Rab-2B, RAB2B

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.

RAB2B Antibody (Center) Blocking Peptide - Protein Information

Name RAB2B (HGNC:20246)

Function
The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between active GTP-bound and inactive GDP-bound states. In their active state, drive transport of vesicular carriers from donor organelles to acceptor organelles to regulate the membrane traffic that maintains organelle identity and morphology. Regulates the compacted morphology of the Golgi (Probable). Promotes cytosolic DNA-induced innate immune responses. Regulates IFN responses against DNA viruses by regulating the CGAS-STING signaling axis (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P59279}; Lipid-anchor {ECO:0000250|UniProtKB:P59279}; Cytoplasmic side {ECO:0000250|UniProtKB:P59279}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P59279}; Lipid-anchor {ECO:0000250|UniProtKB:P59279}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P59279}; Lipid-anchor {ECO:0000250|UniProtKB:P59279}. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:P59279}. Note=Localized in the Golgi apparatus in the round spermatids and in the acrosome in the elongating spermatid. {ECO:0000250|UniProtKB:P59279}

Tissue Location
Expressed in kidney, prostate, lung, liver, thymus, colon, pancreas, and skeletal muscle, and low levels in placenta. Not detected in heart, brain, spleen, testis, ovary, small intestine and leukocyte

RAB2B Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

RAB2B Antibody (Center) Blocking Peptide - Images

RAB2B Antibody (Center) Blocking Peptide - Background

Members of the Rab protein family are nontransformingmonomeric GTP-binding proteins of the Ras superfamily that contain4 highly conserved regions involved in GTP binding and hydrolysis.Rab proteins are prenylated, membrane-bound proteins involved invesicular fusion and trafficking; see MIM 179508.[supplied byOMIM].

RAB2B Antibody (Center) Blocking Peptide - References

Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)Fu, G.K., et al. Genomics 84(1):205-210(2004)Ni, X., et al. J. Hum. Genet. 47(10):548-551(2002)