

RAB3IP Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9545c**Specification**

RAB3IP Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96QF0](#)**RAB3IP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 117177**Other Names**

Rab-3A-interacting protein, Rab3A-interacting protein, Rabin-3, SSX2-interacting protein, RAB3IP {ECO:0000312|EMBL:CAC598361}, RABIN8

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.

RAB3IP Antibody (Center) Blocking Peptide - Protein Information**Name** RAB3IP {ECO:0000312|EMBL:CAC59836.1}**Synonyms** RABIN8**Function**

Guanine nucleotide exchange factor (GEF) which may activate RAB8A and RAB8B (PubMed:12221131, PubMed:26824392). Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form (PubMed:12221131, PubMed:26824392). Mediates the release of GDP from RAB8A and RAB8B but not from RAB3A or RAB5 (PubMed:20937701, PubMed:26824392). Modulates actin organization and promotes polarized transport of RAB8A-specific vesicles to the cell surface (PubMed:12221131). Together with RAB11A, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (PubMed:20890297).

target="_blank">20890297). Part of the ciliary targeting complex containing Rab11, ASAP1, RAB3IP and RAB11FIP3 and ARF4 that promotes RAB3IP preciliary vesicle trafficking to mother centriole and ciliogenesis initiation (PubMed:31204173, PubMed:25673879).

Cellular Location

Cytoplasm. Nucleus Cytoplasm, cytoskeleton. Cell projection, lamellipodium. Vesicle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Predominantly cytoplasmic but a small proportion colocalizes with SSX2 in the nucleus. Activation of protein kinase C results in redistribution to the periphery of lamellipodia.

Tissue Location

Expressed in brain, kidney, heart, pancreas and placenta. Not detected in skeletal muscle or liver

RAB3IP Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAB3IP Antibody (Center) Blocking Peptide - Images

RAB3IP Antibody (Center) Blocking Peptide - Background

The specific function of this protein remains unknown. It belongs to the SEC2 family and may be involved in protein transport. It is predominantly cytoplasmic but a small proportion colocalizes with SSX2 in the nucleus. There are 8 isoforms produced by alternative splicing.

RAB3IP Antibody (Center) Blocking Peptide - References

??enkatesan, K., et al. Nat. Methods 6(1):83-90(2009)??attula, K., et al. Mol. Biol. Cell 13(9):3268-3280(2002)??e Bruijn, D.R., et al. Genes Chromosomes Cancer 34(3):285-298(2002)??ischer, U., et al. Int. J. Oncol. 20(1):173-176(2002)??rondyk, W.H., et al. Mol. Cell. Biol. 15(3):1137-1143(1995)