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INSC Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9702c

Specification

INSC Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q1MX18

INSC Antibody (Center) Blocking Peptide - Additional Information

Gene ID 387755

Other Names
Protein inscuteable homolog, INSC

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.

INSC Antibody (Center) Blocking Peptide - Protein Information

Name INSC

Function
May function as an adapter linking the Par3 complex to the GPSM1/GPSM2 complex (PubMed:16458856). Involved in spindle orientation during mitosis. May regulate cell proliferation and differentiation in the developing nervous system. May play a role in the asymmetric division of fibroblasts and participate in the process of stratification of the squamous epithelium (By similarity).

Cellular Location
Cytoplasm. Cytoplasm, cell cortex. Note=Uniformly distributed in the cytoplasm during interphase. During metaphase, detected in the cell cortex, adjacent to the mitotic spindle poles

Tissue Location
Isoform 1 is expressed in various tissues with stronger expression in liver, kidney and small intestine. Isoform 2 is abundantly expressed in small intestine and to a lower extent in lung and pancreas.

INSC Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

INSC Antibody (Center) Blocking Peptide - Images

INSC Antibody (Center) Blocking Peptide - Background

In Drosophila, neuroblasts divide asymmetrically into another neuroblast at the apical side and a smaller ganglion mother cell on the basal side. Cell polarization is precisely regulated by 2 apically localized multiprotein signaling complexes that are tethered by Inscuteable, which regulates their apical localization (Izaki et al., 2006 [PubMed 16458856]).

INSC Antibody (Center) Blocking Peptide - References

Vural, A., et al. Mol. Cell. Biol. 30(6):1528-1540(2010)Rivadeneira, F., et al. Nat. Genet. 41(11):1199-1206(2009)Izaki, T., et al. Biochem. Biophys. Res. Commun. 341(4):1001-1006(2006)Katoh, M., et al. Int. J. Mol. Med. 11(1):111-116(2003)