

Mouse Sgk223 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14635a**Specification**

Mouse Sgk223 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q57114](#)**Mouse Sgk223 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 244418**Other Names**

Tyrosine-protein kinase SgK223, Sugen kinase 223, Sgk223, D8Ertd82e

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.

Mouse Sgk223 Antibody (N-term) Blocking Peptide - Protein Information**Name** Prag1 {ECO:0000312|MGI:MGI:1196223}**Function**

Catalytically inactive protein kinase that acts as a scaffold protein (By similarity). Functions as an effector of the small GTPase RND2, which stimulates RhoA activity and inhibits NGF-induced neurite outgrowth (By similarity). Promotes Src family kinase (SFK) signaling by regulating the subcellular localization of CSK, a negative regulator of these kinases, leading to the regulation of cell morphology and motility by a CSK-dependent mechanism (By similarity). Acts as a critical coactivator of Notch signaling (PubMed:25038227).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:D3ZMK9}. Nucleus. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q86YV5}. Note=Colocalized with NOTCH1 in the nucleus (PubMed:25038227)

Mouse Sgk223 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Sgk223 Antibody (N-term) Blocking Peptide - Images

Mouse Sgk223 Antibody (N-term) Blocking Peptide - Background

PRAGMIN is also known as SGK223 (sugen kinase 223). The rat homolog was originally identified in a yeast two-hybrid screen for Rnd2 effector proteins expressed in neural cells. Rat Pragmin was found to stimulate RhoA activity for the regulation of neurite outgrowth.

Mouse Sgk223 Antibody (N-term) Blocking Peptide - References

Tanaka, H., et al. J. Biol. Chem. 281(15):10355-10364(2006)