

HAX1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12311b**Specification**

HAX1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O00165](#)**HAX1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 10456**Other Names**

HCLS1-associated protein X-1, HS1-associating protein X-1, HAX-1, HS1-binding protein 1, HSP1BP-1, HAX1, HS1BP1

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.

HAX1 Antibody (C-term) Blocking peptide - Protein Information**Name** HAX1**Synonyms** HS1BP1**Function**

Recruits the Arp2/3 complex to the cell cortex and regulates reorganization of the cortical actin cytoskeleton via its interaction with KCNC3 and the Arp2/3 complex (PubMed:26997484). Slows down the rate of inactivation of KCNC3 channels (PubMed:26997484). Promotes GNA13-mediated cell migration. Involved in the clathrin-mediated endocytosis pathway. May be involved in internalization of ABC transporters such as ABCB11. May inhibit CASP9 and CASP3. Promotes cell survival. May regulate intracellular calcium pools.

Cellular Location

Mitochondrion matrix. Endoplasmic reticulum Nucleus membrane. Cytoplasmic vesicle {ECO:0000250|UniProtKB:O35387}. Cytoplasm, cell cortex. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q7TSE9}. Cytoplasm, P-body [Isoform 3]: Cytoplasm. Nucleus Note=Predominantly cytoplasmic. Also detected in the nucleus when nuclear export is inhibited (in vitro). [Isoform 5]: Cytoplasm. Note=Predominantly

cytoplasmic

Tissue Location

Ubiquitous. Up-regulated in oral cancers.

HAX1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HAX1 Antibody (C-term) Blocking peptide - Images**HAX1 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is known to associate with hematopoietic cell-specific Lyn substrate 1, a substrate of Src family tyrosine kinases. It also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought that this gene product is mainly localized in the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in this gene result in autosomal recessive severe congenital neutropenia, also known as Kostmann disease. Two transcript variants encoding different isoforms have been found for this gene.

HAX1 Antibody (C-term) Blocking peptide - References

Johns, H.L., et al. J. Gen. Virol. 91 (PT 11), 2677-2686 (2010) : Mekkawy, A.H., et al. Biochem. Biophys. Res. Commun. 399(4):738-743(2010) Han, J., et al. J. Biol. Chem. 285(29):22461-22472(2010) Germeshausen, M., et al. Haematologica 95(7):1207-1210(2010) Burnicka-Turek, O., et al. BMC Cell Biol. 11, 28 (2010) :