

ARGBP2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6997a**Specification**

ARGBP2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O94875](#)**ARGBP2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8470**Other Names**

Sorbin and SH3 domain-containing protein 2, Arg/Abl-interacting protein 2, ArgBP2, Sorbin, SORBS2, ARGBP2, KIAA0777

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6997a](/products/AP6997a) was selected from the N-term region of human ARGBP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ARGBP2 Antibody (N-term) Blocking Peptide - Protein Information**Name** SORBS2**Synonyms** ARGBP2, KIAA0777**Function**

Adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. Can form complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1. May play a role in the regulation of pancreatic cell adhesion, possibly by acting on WASF1 phosphorylation, enhancing phosphorylation by ABL1, as well as dephosphorylation by PTPN12 (PubMed:[18559503](http://www.uniprot.org/citations/18559503)). Isoform 6 increases water and sodium absorption in the intestine and gall-bladder.

Cellular Location

Cytoplasm, perinuclear region. Apical cell membrane. Cell junction, focal adhesion. Cell projection, lamellipodium. Note=Found at the Z-disk sarcomeres, stress fibers, dense bodies and focal adhesion. In pancreatic acinar cells, localized preferentially to the apical membrane. Colocalized with vinculin and filamentous actin at focal adhesions and lamellipodia of pancreatic cells.

Tissue Location

Abundantly expressed in heart. In cardiac muscle cells, located in the Z-disks of sarcomere. Also found, but to a lower extent, in small and large intestine, pancreas, thymus, colon, spleen, prostate, testis, brain, ovary and epithelial cells. In the pancreas, mainly expressed in acinar cells, duct cells and all cell types in islets (at protein level). Tends to be down-regulated in pancreatic adenocarcinomas and metastases.

ARGBP2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARGBP2 Antibody (N-term) Blocking Peptide - Images

ARGBP2 Antibody (N-term) Blocking Peptide - Background

Arg and c-Abl represent the mammalian members of the Abelson family of non-receptor protein-tyrosine kinases. They interact with the Arg/Abl binding proteins via the SH3 domains present in the carboxy end of the latter group of proteins. ARGBP2 is the sorbin and SH3 domain containing 2 protein. It has three C-terminal SH3 domains and an N-terminal sorbin homology(SoHo) domain that interacts with lipid raft proteins. The subcellular localization of this protein in epithelial and cardiac muscle cells suggests that it functions as an adapter protein to assemble signaling complexes in stress fibers, and that it is a potential link between Abl family kinases and the actin cytoskeleton.

ARGBP2 Antibody (N-term) Blocking Peptide - References

Yuan,Z.Q.,et.al., J. Biol. Chem. 280 (22), 21483-21490 (2005)Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006)Taieb,D., et.al., Cancer Res. 68 (12), 4588-4596 (2008)