

**SSX2IP Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5521a****Specification**

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**SSX2IP Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O9Y2D8](#)  
Other Accession [NP\\_054740](#)

**SSX2IP Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 117178

**Other Names**

Afadin- and alpha-actinin-binding protein, ADIP, Afadin DIL domain-interacting protein, SSX2-interacting protein, SSX2IP, KIAA0923

**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.

**SSX2IP Antibody (N-term) Blocking peptide - Protein Information**

**Name** SSX2IP

**Synonyms** KIAA0923

**Function**

Belongs to an adhesion system, which plays a role in the organization of homotypic, interneuronal and heterotypic cell-cell adherens junctions (AJs). May connect the nectin-afadin and E-cadherin-catenin system through alpha-actinin and may be involved in organization of the actin cytoskeleton at AJs through afadin and alpha-actinin (By similarity). Involved in cell movement: localizes at the leading edge of moving cells in response to PDGF and is required for the formation of the leading edge and the promotion of cell movement, possibly via activation of Rac signaling (By similarity). Acts as a centrosome maturation factor, probably by maintaining the integrity of the pericentriolar material and proper microtubule nucleation at mitotic spindle poles. The function seems to implicate at least in part WRAP73; the SSX2IP:WRAP73 complex is proposed to act as regulator of spindle anchoring at the mitotic centrosome (PubMed: [23816619](http://www.uniprot.org/citations/23816619), PubMed: [26545777](http://www.uniprot.org/citations/26545777)). Involved in ciliogenesis (PubMed: [24356449](http://www.uniprot.org/citations/24356449)). It is required for targeted recruitment of the BBSome, CEP290,

RAB8, and SSTR3 to the cilia (PubMed:<a href="http://www.uniprot.org/citations/24356449" target="\_blank">24356449</a>).

**Cellular Location**

Cell junction, adherens junction. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cytoplasm, cytoskeleton, cilium basal body. Note=Not found at cell-matrix AJs

**Tissue Location**

Widely expressed, with the highest expression in brain, intermediate expression in kidney, testis, spinal cord, liver, heart, lung, skeletal muscle, ovary, fetal liver and fetal brain, and little to no expression in pancreas and spleen. All specific brain regions showed intermediate to high expression, with highest expression in amygdala. Also expressed in fetal tissues, mainly in liver and brain

**SSX2IP Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SSX2IP Antibody (N-term) Blocking peptide - Images****SSX2IP Antibody (N-term) Blocking peptide - Background**

This gene encodes a protein that binds the cancer-testisantigen Synovial Sarcoma X breakpoint 2 protein. The encoded protein may regulate the activity of Synovial Sarcoma X breakpoint2 protein in malignant cells. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3.

**SSX2IP Antibody (N-term) Blocking peptide - References**

Guinn, B., et al. Blood 113(5):1203-1204(2009)Guinn, B.A., et al. Br. J. Haematol. 140(2):250-251(2008)Breslin, A., et al. Biochem. Biophys. Res. Commun. 363(3):462-465(2007)