10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

SSX2IP Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP5444c

Specification

SSX2IP Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9Y2D8
Other Accession	NP_054740

SSX2IP Antibody (Center) 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 (Center) 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, PubMed:26545777). Involved in ciliogenesis (PubMed:24356449). It is required for targeted recruitment of the BBSome, CEP290, RAB8, and SSTR3 to the cilia (PubMed:24356449).

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 (Center) Blocking peptide - Protocols

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

- Blocking Peptides