

Rabbit SSX2IP Polyclonal Antibody | anti-SSX2IP antibody

SSX2IP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329112	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

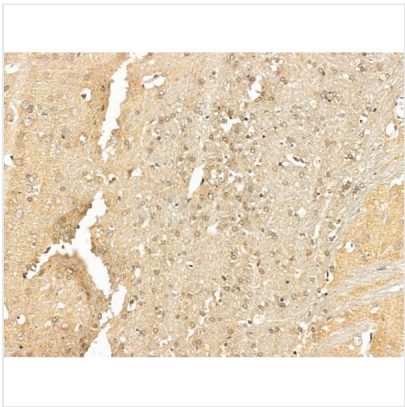
SSX2IP; Polyclonal Antibody; SSX2IP Antibody; ADIP; ADIP_HUMAN; Afadin and alpha actinin binding protein; Afadin DIL domain interacting protein; Afadin DIL domain-interacting protein; Afadin- and alpha-actinin-binding protein; FLJ10848; KIAA0923; MGC75026; OTTHUMP00000011574; SSX 2 interacting protein; SSX2 interacting protein; SSX2-interacting protein; Synovial sarcoma X breakpoint 2 interacting protein; anti-SSX2IP antibody

PRODUCT SPECIFICATIONS

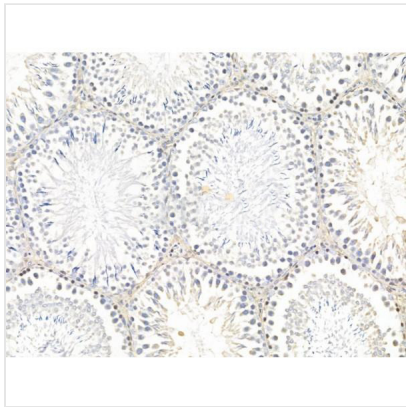
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	SSX2IP Antibody detects endogenous levels of total SSX2IP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	614
Applicable Applications for anti-SSX2IP antibody	ELISA
Immunogen	A synthesized peptide derived from human SSX2IP, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



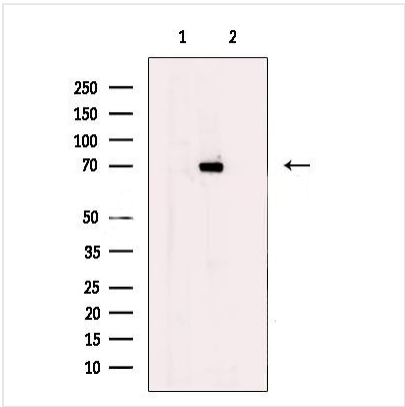
IHC (Immunohistochemistry)
AAA329112 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



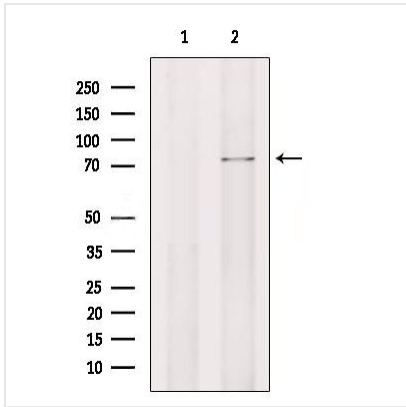
IHC (Immunohistochemistry)
AAA329112 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329112 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293T, using SSX2IP Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from DU145 cells, using SSX2IP Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SSX2IP antibody	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). Subcellular 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 Specificity: 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. Subunit Structure: Interacts with afadin and alpha-actinin (By similarity). Interacts with VAV2 (By similarity). Interacts with SSX2 and SSX3. Does not interact with SSX1 and SSX4 (PubMed:12007189). Interacts with PCM1 (By similarity). Interacts with WRAP73 (PubMed:26545777). Similarity: Both the N-terminal (up to position 79) and the C-terminal (from position 304) sequences are required for interaction with SSX2.Belongs to the ADIP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261878471
NCBI GeneID	117178
NCBI Accession #	NP_001159765
NCBI GenBank Nucleotide #	NP_001159765.1
UniProt Accession #	Q9Y2D8
Molecular Weight	Observed Molecular Weight: (Observed)71kD. Predicted Molecular Weight: (Calculated)71kDa.
NCBI Official Full Name	afadin- and alpha-actinin-binding protein isoform 1
NCBI Official Synonym Full Names	SSX family member 2 interacting protein
NCBI Official Symbol	SSX2IP
NCBI Official Synonym Symbols	ADIP; hMsd1
NCBI Protein Information	afadin- and alpha-actinin-binding protein
UniProt Protein Name	Afadin- and alpha-actinin-binding protein
UniProt Gene Name	SSX2IP
UniProt Synonym Gene Names	KIAA0923; ADIP
UniProt Entry Name	ADIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

