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SSX2IP Rabbit mAb

Catalog # AP76119

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q9Y2D8
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	71236

Additional Information

Gene ID	117178
Other Names	SSX2IP
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IP~~1:100-1:200
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

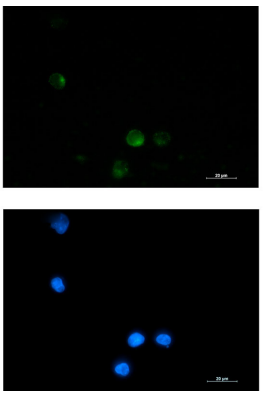
Name	SSX2IP
Synonyms	KIAA0923
Function	Belongs to an adhesion system, which plays a role in the organization of homotypic, interneuronal and heterotypic cell-cell adherens junctions (AJs). May connect the nectin-afadin and E-cadherin- catenin system through alpha-actinin and may be involved in organization 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

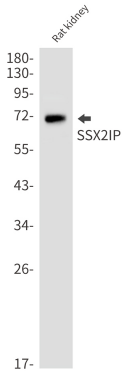
Background

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Images

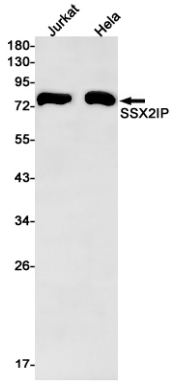


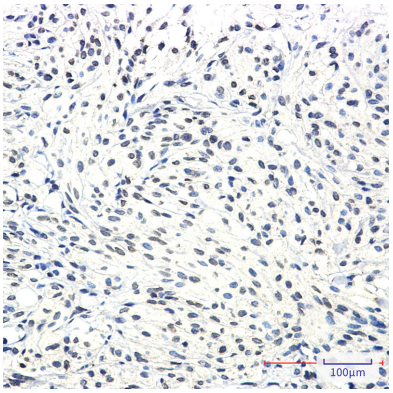
Immunocytochemistry analysis of SSX2IP (green) in K562 using SSX2IP antibody,and DAPI(blue).



Western blot analysis of SSX2IP in rat kidney lysates using SSX2IP antibody.

Western blot analysis of SSX2IP in Jurkat, Hela lysates using SSX2IP antibody





Immunohistochemistry analysis of paraffin-embedded Human Brain using SSX2IP antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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