

SSX2IP Rabbit pAb

CatalogNo: YN6744

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 68kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human SSX2IP

Specificity This antibody detects endogenous levels of SSX2IP at Human, Mouse, Rat

Target Information

Gene name SSX2IP KIAA0923

Protein Name	Afadin- and alpha-actinin-binding protein (ADIP) (Afadin DIL domain-interacting protein) (SSX2-interacting protein)		
	Organism	Gene ID	UniProt ID
	Human	117178 ;	Q9Y2D8 ;
	Mouse	99167 ;	Q8VC66 ;
	Rat	308023 ;	Q8CGZ2 ;
Cellular Localization	Cell junction, adherens junction . Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite . Cytoplasm, cytoskeleton, cilium basal body . 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.		
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 . Involved in ciliogenesis . It is required for targeted recruitment of the BBSome, CEP290, RAB8, and SSTR3 to the cilia .		

| Validation Data

| Contact information

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