

Product name:	INPP5J Rabbit Polyclonal Antibody
Cat number:	ABN12622
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from INPP5J . at AA range: 850-930
Reactivity:	Human,Rat
Applications:	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

catalytic activity:1D-myo-inositol 1,3,4,5-tetrakisphosphate + H(2)O = 1D-myo-inositol 1,3,4-trisphosphate + phosphate.,catalytic activity:D-myo-inositol 1,4,5-trisphosphate + H(2)O = myo-inositol 1,4-bisphosphate + phosphate.,domain:The 5 Arg-Ser-Xaa-Ser-Xaa-Xaa (RSXSXX) motifs may constitute binding sites for the 14-3-3 protein.,function:Inositol 5-phosphatase, which converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate. Also converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate in vitro. May be involved in modulation of the function of inositol and phosphatidylinositol polyphosphate-binding proteins that are present at membranes ruffles.,PTM:Phosphorylated at Ser/Thr residues.,similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.,subcellular location:Predominantly localized to membrane ruffles.,catalytic activity:1D-myo-inositol 1,3,4,5-tetrakisphosphate + H(2)O = 1D-myo-inositol 1,3,4-trisphosphate + phosphate.,catalytic activity:D-myo-inositol 1,4,5-trisphosphate + H(2)O = myo-inositol 1,4-bisphosphate + phosphate.,domain:The 5 Arg-Ser-Xaa-Ser-Xaa-Xaa (RSXSXX) motifs may constitute binding sites for the 14-3-3 protein.,function:Inositol 5-phosphatase, which converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate. Also converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate in vitro. May be involved in modulation of the function of inositol and phosphatidylinositol polyphosphate-binding proteins that are present at membranes ruffles.,PTM:Phosphorylated at Ser/Thr residues.,similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.,subcellular location:Predominantly localized to membrane ruffles.,