



# Fish Polyclonal Antibody

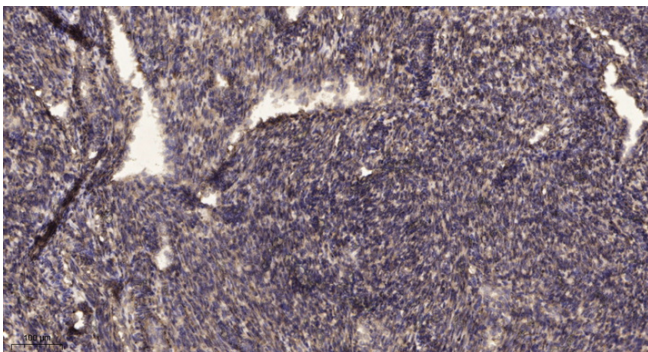
<b>Catalog No</b>	BYab-03873
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	IHC;IF;WB;ELISA
<b>Gene Name</b>	SH3PXD2A
<b>Protein Name</b>	SH3 and PX domain-containing protein 2A
<b>Immunogen</b>	Synthesized peptide derived from the N-terminal region of human Fish.
<b>Specificity</b>	Fish Polyclonal Antibody detects endogenous levels of Fish protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC-p 1:100-500;IF/ICC 1:100-500;WB 1:500-2000;ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SH3PXD2A; FISH; KIAA0418; SH3MD1; TKS5; SH3 and PX domain-containing protein 2A; Adapter protein TKS5; Five SH3 domain-containing protein; SH3 multiple domains protein 1; Tyrosine kinase substrate with five SH3 domains
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm. Cell projection, podosome. Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells.
<b>Tissue Specificity</b>	Found in several cancer cell lines, particularly invasive breast carcinomas and melanomas.
<b>Function</b>	domain:The fifth SH3 domain mediates binding with ADAM12, ADAM15 and ADAM19.,domain:The PX domain is required for podosome localization, and for binding phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 3,4-biphosphate (PtdIns(3,4)P2).,function:Required for podosome formation, degradation of the extracellular matrix, and for the invasiveness of some cancer cells. Binds phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 3,4-biphosphate (PtdIns(3,4)P2). In association with ADAM12, mediates the neurotoxic effect of beta-amyloid peptide.,PTM:Tyrosine phosphorylated by SRC. Phosphorylation plays a regulatory role in the protein

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	<p>localization. The intramolecular interaction of the PX domain with the third SH3 domain maintains the protein in the cytoplasm and phosphorylation disrupts this interaction, resulting in the redistribution of the protein from cy</p>
<p><b>Background</b></p>	<p>domain:The fifth SH3 domain mediates binding with ADAM12, ADAM15 and ADAM19.,domain:The PX domain is required for podosome localization, and for binding phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 3,4-biphosphate (PtdIns(3,4)P2).,function:Required for podosome formation, degradation of the extracellular matrix, and for the invasiveness of some cancer cells. Binds phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 3,4-biphosphate (PtdIns(3,4)P2). In association with ADAM12, mediates the neurotoxic effect of beta-amyloid peptide.,PTM:Tyrosine phosphorylated by SRC. Phosphorylation plays a regulatory role in the protein localization. The intramolecular interaction of the PX domain with the third SH3 domain maintains the protein in the cytoplasm and phosphorylation disrupts this interaction, resulting in the redistribution of the protein from cytoplasm to the perimembrane region. Phosphorylated on serine upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SH3PXD2 family.,similarity:Contains 1 PX (phox homology) domain.,similarity:Contains 5 SH3 domains.,subcellular location:Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells.,subunit:Interacts with ADAM12, ADAM15 and ADAM19.,tissue specificity:Found in several cancer cell lines, particularly invasive breast carcinomas and melanomas.,</p>
<p><b>matters needing attention</b></p>	<p>Avoid repeated freezing and thawing!</p>
<p><b>Usage suggestions</b></p>	<p>This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.</p>

## Products Images



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).