

## Fish rabbit pAb

Cat No.: ES8080

For research use only

## Overview

Product Name Fish rabbit pAb

Host species Rabbit

**Applications** IHC;IF;WB;ELISA **Species Cross-Reactivity** Human;Mouse

Recommended dilutions IHC-p 1:100-500;IF/ICC 1:100-500;WB

1:500-2000;ELISA 1:5000-20000

**Immunogen** Synthesized peptide derived from the N-terminal

region of human Fish.

**Specificity** Fish Polyclonal Antibody detects endogenous levels

of Fish protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name SH3 and PX domain-containing protein 2A

Gene Name SH3PXD2A

**Cellular localization** Cytoplasm. Cell projection, podosome. Cytoplasmic

in normal cells and localizes to podosomes in

SRC-transformed cells.

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 9644 Human Swiss-Prot Number Q5TCZ1

Alternative Names 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

**Background** domain: The fifth SH3 domain mediates binding with

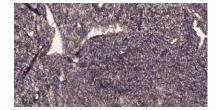
ADAM12, ADAM15 and ADAM19.,domain:The PX



+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com



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.,



+86-27-59760950

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).

