

Rabbit anti-Human, Mouse SH3PXD2A Polyclonal Antibody | anti-SH3PXD2A antibody

SH3PXD2A Antibody

CATALOG # AAA328167	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

SH3PXD2A; Polyclonal Antibody; SH3PXD2A Antibody; Adapter protein TKS5; Five SH3 domain-containing protein; SH3 and PX domain-containing protein 2A; SH3 multiple domains protein 1; Sh3md1; Sh3pxd2a; SPD2A_HUMAN; TKS5; Tyrosine kinase substrate with five SH3 domains; anti-SH3PXD2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SH3PXD2A antibody detects endogenous levels of total SH3PXD2A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (ThermoFisher Scientific).
Form/Format	Liquid; Rabbit IgG in Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1105
Applicable Applications for anti-SH3PXD2A antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human SH3PXD2A, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis SH3PXD2A using NIH-3T3 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SH3PXD2A antibody	Function: Adapter protein involved in invadopodia and podosome formation, extracellular matrix degradation and invasiveness of some cancer cells. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1-or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. In association with ADAM12, mediates the neurotoxic effect of amyloid-beta peptide. Subunit Structure: Interacts (via N-terminus) with CYBA (By similarity). Interacts with ADAM12, ADAM15 and ADAM19. Interacts with NOXO1. Interacts (via SH3 domains) with NOXA1. Interacts with FASLG. Post-translational Modifications: 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: The PX domain is required for podosome localization because of its ability to bind phosphatidylinositol 3-phosphate (PtdIns3P) and phosphatidylinositol 3, 4-bisphosphate (PtdIns(3, 4)P2) and, to a lesser extent, phosphatidylinositol 4-phosphate (PtdIns4P), phosphatidylinositol 5-phosphate (PtdIns5P), and phosphatidylinositol 3, 5-bisphosphate (PtdIns(3, 5)P2). Binds to the third intramolecular SH3 domain (By similarity).The fifth SH3 domain mediates binding with ADAM12, ADAM15 and ADAM19. Belongs to the SH3PXD2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55749544
NCBI GeneID	9644
NCBI Accession #	NP_055446.2
NCBI GenBank Nucleotide #	NM_014631.2
UniProt Accession #	Q5TCZ1; O43302; Q5TCZ2; Q5TDQ8; D3DR98
Molecular Weight	125 kDa
NCBI Official Full Name	SH3 and PX domain-containing protein 2A isoform 1
NCBI Official Synonym Full Names	SH3 and PX domains 2A
NCBI Official Symbol	SH3PXD2A
NCBI Official Synonym Symbols	FISH; TKS5; SH3MD1
NCBI Protein Information	SH3 and PX domain-containing protein 2A
UniProt Protein Name	SH3 and PX domain-containing protein 2A
UniProt Gene Name	SH3PXD2A
UniProt Synonym Gene Names	FISH; KIAA0418; SH3MD1; TKS5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sh3pxd2a-antibody-western-blot-elisa/328167>