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SH3PXD2A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16560a

Specification

SH3PXD2A Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q5TCZ1
Other Accession	O89032, NP_055446.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**125289**
Antigen Region	**222-250**

SH3PXD2A Antibody (N-term) - Additional Information

Gene ID 9644

Other Names
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, SH3PXD2A, FISH, KIAA0418, SH3MD1, TKS5

Target/Specificity
This SH3PXD2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-250 amino acids from the N-terminal region of human SH3PXD2A.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SH3PXD2A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SH3PXD2A Antibody (N-term) - Protein Information

Name SH3PXD2A (HGNC:23664)

Function Adapter protein involved in invadopodia and podosome formation, extracellular matrix degradation and invasiveness of some cancer cells (PubMed:27789576). 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.

Cellular Location
Cytoplasm. Cell projection, podosome. Note=Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells

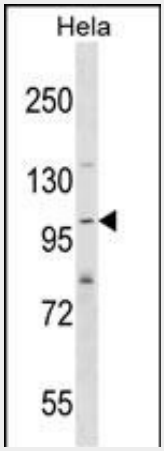
Tissue Location
Found in several cancer cell lines, particularly invasive breast carcinomas and melanomas

SH3PXD2A Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SH3PXD2A Antibody (N-term) - Images



SH3PXD2A Antibody (N-term) (Cat. #AP16560a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the SH3PXD2A antibody detected the SH3PXD2A protein (arrow).

SH3PXD2A Antibody (N-term) - Background

SH3PXD2A is 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.

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SH3PXD2A Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Laumet, G., et al. Neurosci. Lett. 468(1):1-2(2010)
Crimaldi, L., et al. Exp. Cell Res. 315(15):2581-2592(2009)
Voss, M., et al. BMC Immunol. 10, 53 (2009) :
Gianni, D., et al. Sci Signal 2 (88), RA54 (2009) :