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SAV1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17544a

Specification

SAV1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H4B6
Other Accession	NP_068590.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44634**
Antigen Region	**65-92**

SAV1 Antibody (N-term) - Additional Information

Gene ID 60485

Other Names
Protein salvador homolog 1, 45 kDa WW domain protein, hWW45, SAV1, WW45

Target/Specificity
This SAV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-92 amino acids from the N-terminal region of human SAV1.

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
SAV1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SAV1 Antibody (N-term) - Protein Information

Name SAV1 (HGNC:17795)

Synonyms WW45

Function Regulator of STK3/MST2 and STK4/MST1 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis (PubMed:29063833). The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. SAV1 is required for STK3/MST2 and STK4/MST1 activation and promotes cell-cycle exit and terminal differentiation in developing epithelial tissues. Plays a role in centrosome disjunction by regulating the localization of NEK2 to centrosomes, and its ability to phosphorylate CROCC and CEP250. In conjunction with STK3/MST2, activates the transcriptional activity of ESR1 through the modulation of its phosphorylation.

Cellular Location
Nucleus. Cytoplasm

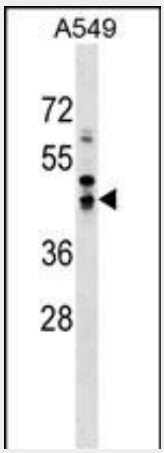
Tissue Location
Ubiquitously expressed in adult tissues with highest expression in the pancreas, aorta and interventricular septum and lowest expression in skeletal muscle. Expression was higher in fetal than in the adult heart. Expressed in various cell lines

SAV1 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

SAV1 Antibody (N-term) - Images



SAV1 Antibody (N-term) (Cat. #AP17544a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the SAV1 antibody detected the SAV1 protein (arrow).

SAV1 Antibody (N-term) - Background

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WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 2 WW domains and a coiled-coil region. It is ubiquitously expressed in adult tissues. The encoded protein is 94% identical to the mouse protein at the amino acid level.

SAV1 Antibody (N-term) - References

Li, Z.M., et al. Zhonghua Zhong Liu Za Zhi 31(7):481-484(2009)
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Lamesch, P., et al. Genomics 89(3):307-315(2007)
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