Datasheet for ABIN7166095

anti-SAV1 antibody (AA 1-210)

5 Images

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Overview

Quantity:	100 µL
Target:	SAV1
Binding Specificity:	AA 1-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAV1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Protein salvador homolog 1 protein (1-210AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	SAV1
Alternative Name:	SAV1 (SAV1 Products)
Background:	Background: 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

Target Details

	promoting apoptosis. 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. Aliases: 1700040G09Rik antibody, 45 kDa WW domain protein antibody, hWW 45 antibody, hWW45 antibody, Protein salvador homolog 1 antibody, salvador family WW domain containing protein 1 antibody, salvador homolog 1 (Drosophila) antibody, Salvador homolog 1 antibody, Salvador, Drosophila, homolog of antibody, SAV 1 antibody, SAV antibody, SAV1 antibody, SAV1_HUMAN antibody, WW 45 antibody, WW domain containing antibody, WW domain-containing adaptor 45 antibody, WW domain-containing protein, 45-KD antibody, WW45 antibody, WW45 protein antibody, WWP 4 antibody, WWP4 antibody
UniProt:	Q9H4B6
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

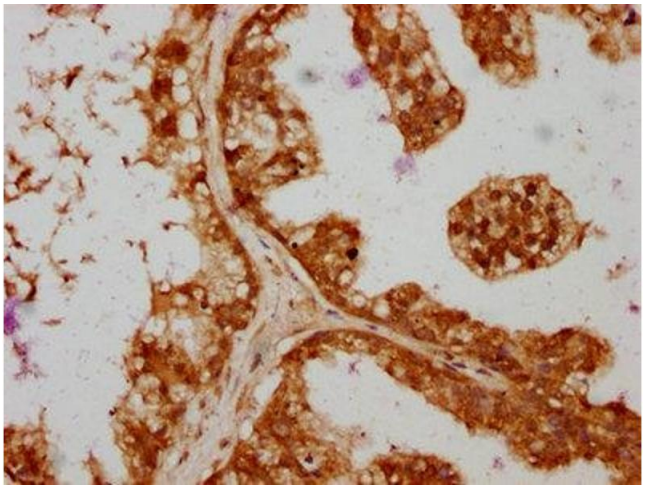
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Handling

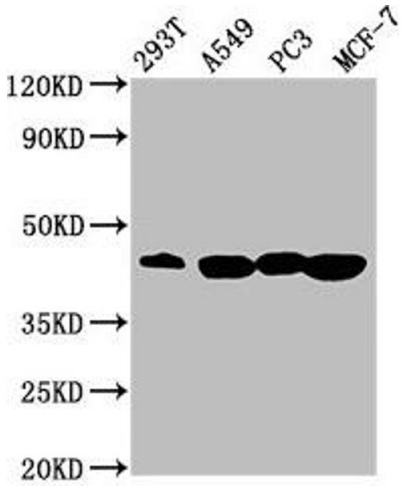
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



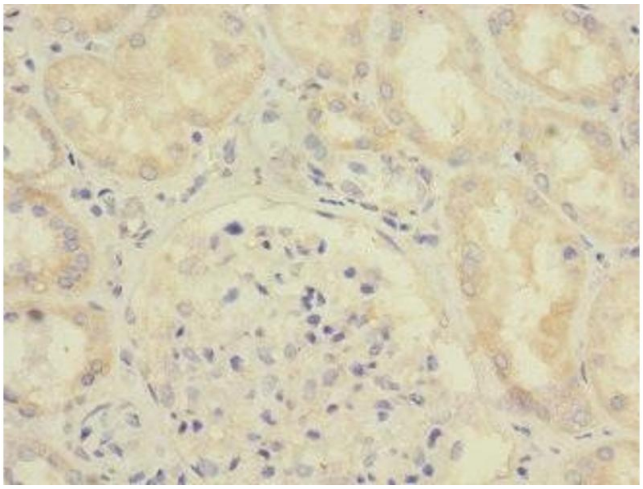
Immunohistochemistry

Image 1. IHC image of ABIN7166095 diluted at 1:364 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: 293T whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate, MCF-7 whole cell lysate All lanes: SAV1 antibody at 3.64 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 45 kDa Observed band size: 45 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7166095 at dilution of 1:100

Please check the product details page for more images. Overall 5 images are available for ABIN7166095.