

**Salvador homolog 1 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2626a****Specification**

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**Salvador homolog 1 Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O9H4B6</a>
Other Accession	<a href="#">NP_068590.1</a> , <a href="#">60485</a>
Predicted	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	44634

**Salvador homolog 1 Antibody (internal region) - Additional Information****Gene ID** 60485**Other Names**

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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Salvador homolog 1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Salvador homolog 1 Antibody (internal region) - Protein Information****Name** SAV1**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. 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

**Salvador homolog 1 Antibody (internal region) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Salvador homolog 1 Antibody (internal region) - Images****Salvador homolog 1 Antibody (internal region) - References**

Mutational analysis of salvador gene in human carcinomas. Yoo NJ, Soung YH, Lee JW, Park WS, Kim SY, Nam SW, Han JH, Kim SH, Lee JY, Lee SH. APMIS. 2003 Jun;111(6):595-8. PMID: 12969014