10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Salvador homolog 1 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2626a

Specification

Salvador homolog 1 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9H4B6
Other Accession	NP_068590.1, 60485
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

Dilution
E~~N/A

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 (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

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 Cytomety
- 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