

Sav1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14144**Specification**

Sav1 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q8VEB2
Other Accession	NM_022028 , NP_071311
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

Sav1 Antibody - C-terminal region - Additional Information**Gene ID** 64010**Alias Symbol** 1700040G09Rik, Sav, WW45, Wwp3, Wwp4**Other Names**

Protein salvador homolog 1, 45 kDa WW domain protein, mWW45, Sav1, Ww45, Wwp3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Sav1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Sav1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Sav1 Antibody - C-terminal region - Protein Information**Name** Sav1**Synonyms** Ww45, Wwp3**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 (By similarity).

Cellular Location

Nucleus. Cytoplasm.

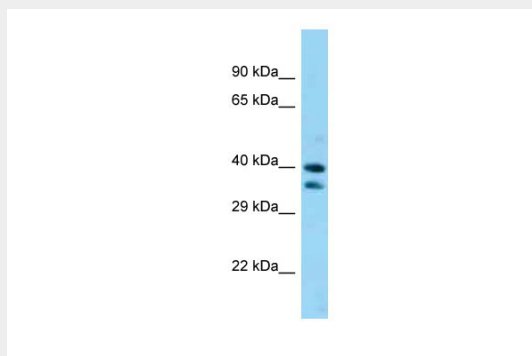
Tissue Location

Ubiquitously expressed in adult tissues with the highest level found in testis

Sav1 Antibody - C-terminal 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](#)

Sav1 Antibody - C-terminal region - Images

WB Suggested Anti-Sav1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

Sav1 Antibody - C-terminal region - References

Valverde P., et al. Biochem. Biophys. Res. Commun. 276:990-998(2000).
Carninci P., et al. Science 309:1559-1563(2005).
Lee J.H., et al. EMBO J. 27:1231-1242(2008).
Lu L., et al. Proc. Natl. Acad. Sci. U.S.A. 107:1437-1442(2010).