

Sav1 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14144

Product Information

Application	WB
Primary Accession	Q8VEB2
Other Accession	NM_022028 , NP_071311
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44845

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.

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

References

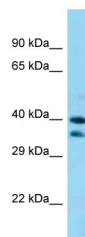
Valverde P.,et al.Biochem. Biophys. Res. Commun. 276:990-998(2000).

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.