

TAZ Antibody

Catalog No: #21634

Package Size: #21634-1 50ul #21634-2 100ul

Description

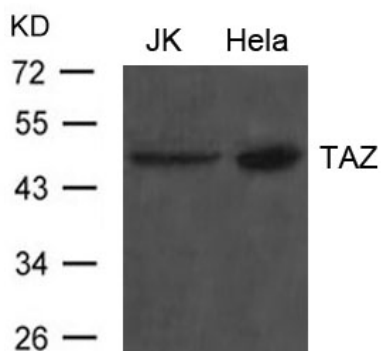
Product Name	TAZ Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total TAZ protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.386~390 (V-E-S-A-L) derived from Human TAZ.
Conjugates	Unconjugated
Target Name	TAZ
Other Names	WWTR1
Accession No.	Swiss-Prot: Q9GZV5NCBI Protein: NP_001161750.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 49kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from JK and HeLa cells using TAZ Antibody #21634

Background

Transcriptional coactivator which acts as a downstream regulatory target in the Hippo signaling pathway that 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 MST1/MST2, 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. WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation. Regulates the nuclear accumulation of SMADS and has a key role in coupling them to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.

Kanai F., Marignani P.A., Sarbassova D., Yagi R. EMBO J. 19:6778-6791(2000)

Lei Q.Y., Zhang H., Zhao B., Zha Z.Y. Mol. Cell. Biol. 28:2426-2436(2008)

Varelas X., Sakuma R., Samavarchi-Tehrani P., Peerani R. Nat. Cell Biol. 10:837-848(2008)

Di Palma T., D'Andrea B., Liguori G.L., Liguoro A. Exp. Cell Res. 315:162-175(2009)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.