ARG55020
anti-WWTR1 / TAZ antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes WWTR1 / TAZ
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WWTR1 / TAZ
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 296-330 (C-terminus) of Human WWTR1.
Conjugation	Un-conjugated
Alternate Names	Transcriptional coactivator with PDZ-binding motif; WW domain-containing transcription regulator protein 1; TAZ

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

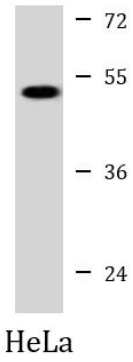
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 25937 Human GeneID: 97064 Mouse Swiss-port # Q9EPK5 Mouse Swiss-port # Q9GZV5 Human
Gene Symbol	WWTR1
Gene Full Name	WW domain containing transcription regulator 1
Function	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 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. 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. [UniProt]
Research Area	Developmental Biology antibody; Gene Regulation antibody
Calculated Mw	44 kDa
PTM	Phosphorylated by LATS2 and STK3/MST2. Phosphorylation by LATS2 results in creation of 14-3-3 binding sites, retention in the cytoplasm, and functional inactivation. Phosphorylation results in the inhibition of transcriptional coactivation through YWHAZ-mediated nuclear export.
Cellular Localization	Nucleus. Cytoplasm. Note=Concentrates along specific portions of the plasma membrane, and accumulates in punctate nuclear bodies. When phosphorylated, is retained in cytoplasm by YWHAZ. Can be retained in the nucleus by MED15

Images



ARG55020 anti-WWTR1 / TAZ antibody WB image

Western blot: 20 µg of HeLa cell lysate stained with ARG55020 anti-WWTR1 / TAZ antibody at 1:1000 dilution.