

ARG57876 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	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WWTR1 / TAZ
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence within aa. 300 to the C-terminus of Human WWTR1 (NP_056287.1).
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
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

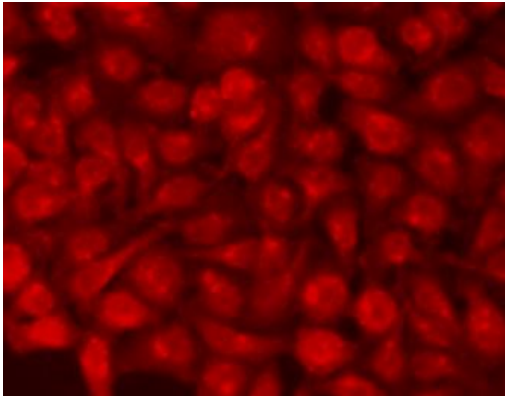
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

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]
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. [UniProt]

Images



ARG57876 anti-WWTR1 / TAZ antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG57876 anti-WWTR1 / TAZ antibody at 1:100 dilution.



HeLa

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Western blot: 25 µg of HeLa cell lysate stained with ARG57876 anti-WWTR1 / TAZ antibody at 1:1000 dilution.