

Datasheet for ABIN7271395
anti-WWTR1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	WWTR1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WWTR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	TAZ Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of human TAZ (NP_056287.1).
Sequence:	LNGGPYHSRE QSTD SGLGLG CYSVPTTPED FLSNVDEMDT GENAGQTPMN INPQQTRFPD FLDCLPGTNV DLGTLESDL IPLFNDVESA LNKSEPFLTW L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	WWTR1
Alternative Name:	WWTR1 (WWTR1 Products)
Background:	<p>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. In conjunction with YAP1, involved in the regulation of TGFB1-dependent SMAD2 and SMAD3 nuclear accumulation. Plays a key role in coupling SMADs to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.,WW domain-containing transcription regulator protein 1,Transcriptional coactivator with PDZ-binding motif,TAZ,WWTR1,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Hippo Signaling Pathway,Stem Cells,Mesenchymal Stem Cells,WWTR1</p>
Molecular Weight:	44kDa
Gene ID:	25937
UniProt:	Q9GZV5
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

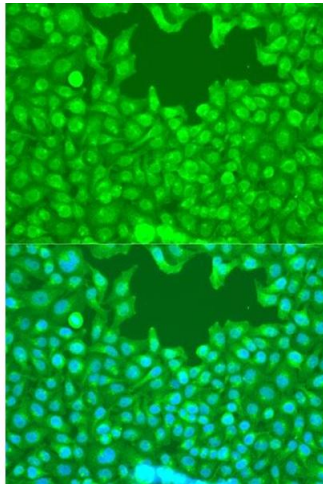
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

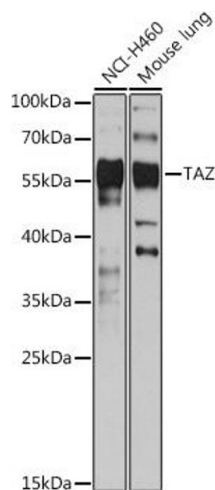
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using TAZ antibody (ABIN7271395) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using TAZ antibody (ABIN7271395) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.