

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human TAZ/WWTR1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) YAP or rhYes is observed.                                                                                                                                       |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 672027                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human TAZ/WWTR1<br>Met267-Leu400<br>Accession # Q9GZV5                                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>        | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunocytochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

TAZ (Transcriptional co-Activator with PDZ-binding motif; also WWTR1) is a 50-55 kDa protein that is related to YAP65 TEF-1 interacting protein. It is a widely expressed transcriptional coactivator, and should not be confused with tafazzin/Taz, an enzyme associated with lipid metabolism. TAZ influences the nuclear transport of SMAD-2, -3 and -4, and in the nucleus, TAZ is known to interact with transcription factors such as TFF1, Pax8, NKX2-1 and TEADS, serving as a scaffold for transcriptional activation complexes. Human TAZ is 400 amino acids (aa) in length. It contains one WW domain (aa 124-157) that binds to PPXY motifs, a coiled-coil region (aa 225-259), and a PDZ binding domain (aa 394-400). There are at least four utilized phosphorylation sites. When phosphorylated on Ser89, TAZ preferentially bind to 14-3-3 proteins, promoting its retention in the cytoplasm. Over aa 267-400, human TAZ shares 88% aa identity with mouse TAZ.

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