

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Tiki1/TRABD2A in direct ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 901705
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Tiki1/TRABD2A Met1-Met477 Accession # Q86V40
<b>Conjugate</b>	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RFD1 and 0.09% Sodium Azide

\*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.
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**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**

Tiki1, also known as TRAB Domain-containing protein 2A (TRABD2A) and C2orf89, is an evolutionarily conserved transmembrane metalloprotease that acts as an inhibitor of the Wnt signaling pathway. The term Tiki refers to a large-headed humanoid in Polynesian mythology, and Tiki1 was initially identified by functional screening as an organizer-specific protein that is required for head formation in *Xenopus*. Tiki1 negatively regulates Wnt signaling by mediating the cleavage of the eight N-terminal residues from a subset of Wnt proteins, including Wnt3A and Wnt5, but not Wnt11. Following this cleavage, Wnt proteins become oxidized and form large disulfide-bond oligomers, leading to their inactivation. Human Tiki1 is 505 amino acids (aa) in length; a second shorter isoform has also been identified that is missing aa 225-273.

**PRODUCT SPECIFIC NOTICES**

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