# Human Tiki2/TRABD2B Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF1600V
100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human Tiki2/TRABD2B in direct ELISAs and Western blots. |
| **Source** | Polyclonal Sheep IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | Human embryonic kidney cell line HEK293-derived transfected with human Tiki2/TRABD2B<br>Accession # A6NFA1 |
| **Conjugate** | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| **Formulation** | 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.*

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| **Western Blot** | Optimal dilution of this antibody should be experimentally determined. |
| **Flow Cytometry** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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

## BACKGROUND

TIKI2, encoded by the TRABD2B gene, is a 517 aminoacid metalloproteinase that acts as a negative regulator of Wnt signaling by mediating the cleavage of N-terminal residues in many of Wnt proteins. Tiki matalloproteins are dependent on Mn2+/Co2+ and are inhibited by divalent metal chelators like EDTA. The other known Tiki protein in human, Tiki1, is required for head formation via Wnt cleavage-oxidation and inactivation, but lacks known metalloprotease motifs. TIKI2 is upregulated in renal cell carcinoma and it appears to suppress growth of osteosarcoma by targeting the canonical Wnt pathway

## PRODUCT SPECIFIC NOTICES

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