

## DESCRIPTION

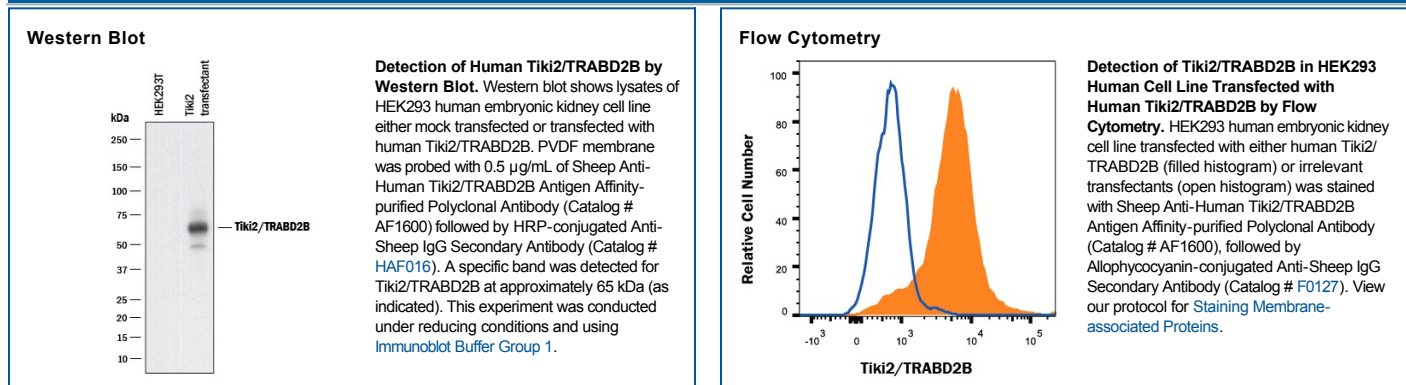
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Tiki2/TRABD2B in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Human embryonic kidney cell line HEK293-derived transfected with human Tiki2/TRABD2B Accession # A6NFA1
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.5 µg/mL	See Below
<b>Flow Cytometry</b>	0.25 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

TIK12, 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 metalloproteins are dependent on Mn<sup>2+</sup>/Co<sup>2+</sup> 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. TIK12 is upregulated in renal cell carcinoma and it appears to suppress growth of osteosarcoma by targeting the canonical Wnt pathway