

DESCRIPTION

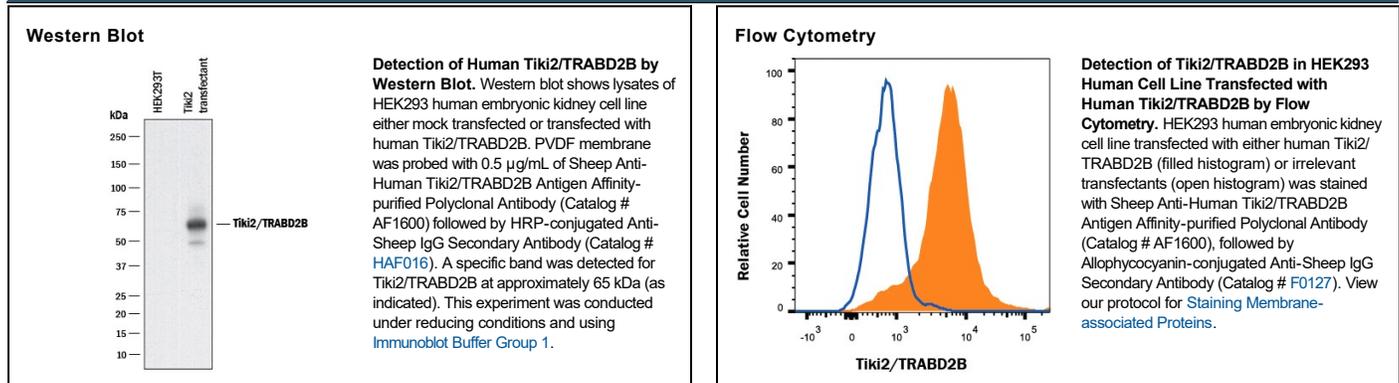
Species Reactivity	Human
Specificity	Detects human Tiki2/TRABD2B in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Human embryonic kidney cell line HEK293-derived transfected with human Tiki2/TRABD2B Accession # A6NFA1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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
Western Blot	0.5 µg/mL	See Below
Flow Cytometry	0.25 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 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. TIK12 is upregulated in renal cell carcinoma and it appears to suppress growth of osteosarcoma by targeting the canonical Wnt pathway