

## Anti-TIE2/TEK Antibody Picoband®

Catalog Number: RP1036

### About TEK

TIE2, also known as TEK tyrosine kinase, TIE2 gene is mapped to 9p21.2. This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Immunoblotting showed that TIE2 expression was increased by thyroid-stimulating hormone and agents that increased intracellular cAMP. HSCs expressing the receptor tyrosine kinase TIE2 are quiescent and antiapoptotic and comprise a side population of HSCs that adhere to osteoblasts in the bone marrow niche.

### Overview

Product Name	Anti-TIE2/TEK Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TIE2/TEK Antibody catalog # RP1036. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg Na <sub>3</sub> N. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q02763

### Technical Details

Immunogen	E.coli-derived human TIE2 recombinant protein (Position: Q641-I830). Human TIE2 shares 91% amino acid (aa) sequence identity with mouse TIE2.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

## Anti-TIE2/TEK Antibody Picoband® (RP1036) Images



Anti-TIE2 Picoband antibody, RP1036-1.jpg All lanes: Anti TIE2 (RP1036) at 0.5ug/ml WB: Recombinant Human TIE2 Protein 0.5ng Predicted bind size: 47KD Observed bind size: 47KD



Anti-TIE2 Picoband antibody, RP1036-2.jpg All lanes: Anti TIE2 (RP1036) at 0.5ug/ml WB: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 125KD Observed bind size: 125KD

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Anti-TIE2/TEK Antibody

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