

## Anti-RGS14 Antibody Picoband®

Catalog Number: PA2163

### About RGS14

Regulator of G-protein signaling 14, also called RGS14, is a protein that in humans is encoded by the RGS14 gene. This gene encodes a member of the regulator of G-protein signaling family. By genomic sequence analysis, this gene is mapped to chromosome 5q35.3. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal.

### Overview

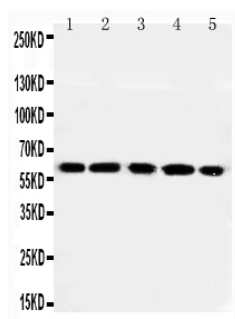
Product Name	Anti-RGS14 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RGS14 Antibody catalog # PA2163. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *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	O43566

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RGS14, identical to the related mouse and rat sequences.
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, Rat, Mouse

## Anti-RGS14 Antibody Picoband® (PA2163) Images



Anti-RGS14 antibody, PA2163, Western blotting  
Lane 1: Rat Thymus Tissue Lysate  
Lane 2: Rat Spleen Tissue Lysate  
Lane 3: RAJI Cell Lysate  
Lane 4: CEM Cell Lysate  
Lane 5: JURKAT Cell Lysate

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Anti-RGS14 Antibody

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