

Anti-NAK/TBK1 Antibody Picoband®

Catalog Number: PA2117

About TBK1

Serine/threonine-protein kinase TBK1, also called TANK-binding kinase 1 or NF-kappa-B-activating kinase is an enzyme that in humans is encoded by the TBK1 gene. The gene was assigned to human chromosome 12q14.2. Serine/threonine kinase plays an essential role in regulating inflammatory responses to foreign agents. TBK1 and NF-kappa-B signaling are essential in KRAS mutant tumors, and established a general approach for the rational identification of codependent pathways in cancer.

Overview

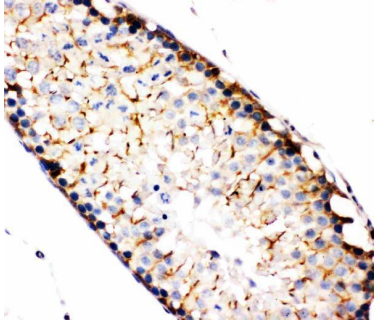
Product Name	Anti-NAK/TBK1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NAK/TBK1 Antibody catalog # PA2117. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	Q9UHD2

Technical Details

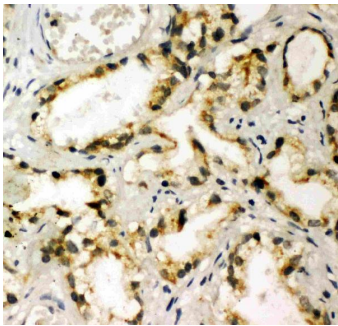
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NAK, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

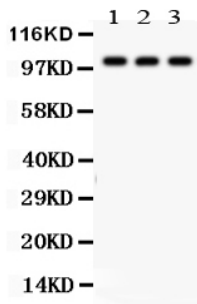
Anti-NAK/TBK1 Antibody Picoband® (PA2117) Images



Anti-NAK antibody, PA2117, IHC(P)IHC(P): Rat Testis Tissue



Anti-NAK antibody, PA2117, IHC(P)IHC(P): Human Prostatic Cancer Tissue



Anti-NAK antibody, PA2117, Western blotting
All lanes: Anti TBK1 (PA2117) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: Rat Testis Tissue Lysate at 50ug
Lane 3: Rat Liver Tissue Lysate at 50ug
Predicted bind size: 84KD
Observed bind size: 100KD

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Anti-NAK/TBK1 Antibody

For Research Use Only. Not for use in diagnostic procedures.