BOSTER BIOLOGICAL TECHNOLOGY
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Anti-p90 Autoantigen/KIAA1524 CIP2A Antibody Picoband®

Catalog Number: PB9714

About CIP2A

Protein CIP2A, also known as cancerous inhibitor of PP2A (CIP2A), is a protein that in humans is encoded by the KIAA1524 gene. CIP2A is required for the malignant cellular growth and for in vivo tumor formation. In accordance with the oncogenic role of CIP2A, overexpression of CIP2A promotes Ras-elicited cell growth and transforms immortalized human cells (HEK-TERVs). More recently CIP2A has been shown to regulate phosphorylation and activity of many other oncoproteins and to drive malignant cell growth and tumorigenesis in various human cancer types. Importantly, CIP2A deficient mice are viable, suggesting that targeting of oncogenic function of CIP2A would not result in serious side-effects.

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Overview

Product Name	Anti-p90 Autoantigen/KIAA1524 CIP2A Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-p90 Autoantigen/KIAA1524 CIP2A Antibody Picoband® catalog # PB9714. Tested in WB applications. This antibody reacts with Human, Mouse. 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 Na2HPO4, and 0.05 mg NaN3. *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	Q8TCG1

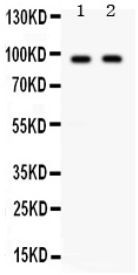
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human KIAA1524, different from the related mouse sequence by three amino acids.
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, Mouse

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Anti-p90 Autoantigen/KIAA1524 CIP2A Antibody Picoband® (PB9714) Images



Western blot analysis of KIAA1524 using anti-KIAA1524 antibody (PB9714). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: Mouse Testis Tissue Lysate at 50ug, Lane 2: HELA Whole Cell Lysate at 40ug. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KIAA1524 antigen affinity purified polyclonal antibody (Catalog # PB9714) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for KIAA1524 at approximately 90 kDa. The expected band size for KIAA1524 is at 102 kDa.

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