

Anti-p73/TP73 Antibody Picoband®

Catalog Number: PB9235

About TP73

p73, also known as tumor protein 73 (TP73), encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It is mapped to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Furthermore, recent findings are suggesting that over-expression of transcription factors involved in cell cycle regulation and synthesis of DNA in mammalian cells (e.g.: E2F-1) induces the expression of p73. In addition, p73 is a substrate of the c-Abl kinase and that the ability of c-Abl to phosphorylate p73 is markedly increased by gamma-irradiation.

Overview

Product Name	Anti-p73/TP73 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p73/TP73 Antibody Picoband® catalog # PB9235. 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, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg Na ₃ 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	O15350

Technical Details

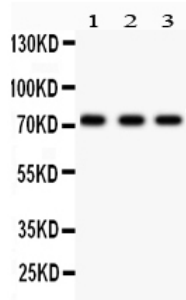
Immunogen	E.coli-derived human p73 recombinant protein (Position: M1-E198). Human p73 shares 96% amino acid (aa) sequence identity with mouse p73.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	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, Mouse, Rat Western blot, 0.1-0.5ug/ml, Human

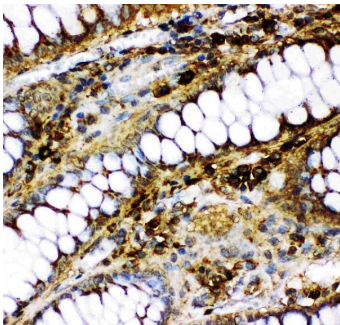
Anti-p73/TP73 Antibody Picoband® (PB9235) Images



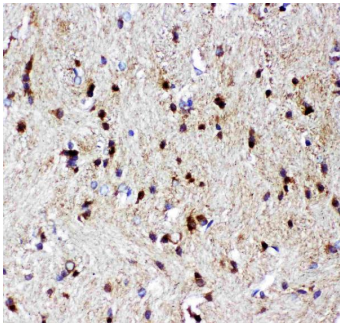
Anti-p73 antibody, PB9235, Western blotting All lanes: Anti p73 (PB9235) at 0.5ug/ml WB: Recombinant Human p73 Protein 0.5ng Predicted bind size: 45KD Observed bind size: 45KD



Anti-p73 antibody, PB9235, Western blotting All lanes: Anti p73 (PB9235) at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 73KD Observed bind size: 73KD

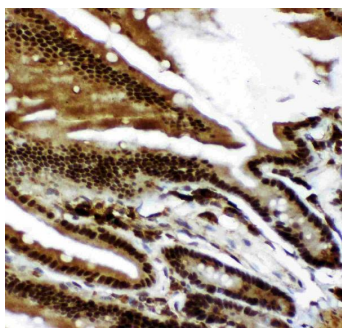


Anti-p73 antibody, PB9235, IHC(P) IHC(P): Human Intestinal Cancer Tissue



Anti-p73 antibody, PB9235, IHC(P) IHC(P): Rat Brain Tissue

Anti-p73 antibody, PB9235, IHC(P) IHC(P): Mouse Intestine Tissue



2 Publications Citing This Product

1. PubMed ID: 15884108, Expression and clinical significance of TAp73?, p53, PCNA and apoptosis in hepatocellular carcinoma
2. PubMed ID: 20880063, Guo H, Nan K, Hu T, Meng J, Hui W, Zhang X, Qin H, Sui C. Hepatol Res. 2010 Nov;40(11):1107-16. Doi: 10.1111/J.1872-034X.2010.00721.X. Epub 2010 Sep 28. Prognostic Significance Of Co-Expression Of Nm23 And P57 Protein In Hepatocellular Carcinoma.

Visit bosterbio.com/anti-p73-picoband-trade-antibody-pb9235-boster.html to see all 2 publications.

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Anti-p73/TP73 Antibody

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