

Anti-PUMA/BBC3 Antibody Picoband®

Catalog Number: PA1313

About BBC3

The p53 upregulated modulator of apoptosis, or PUMA, is a pro-apoptotic member of the Bcl-2 protein family. The PUMA gene is located at 19q. PUMA transcript is contained within 4 exons, with the presumptive initiation codon in exon 2. The predicted 193-amino acid PUMA protein shares 91% amino acid identity with the murine sequence. Bcl-2 family members can form hetero- or homodimers, and they act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The expression of PUMA is regulated by the tumor suppressor p53, and PUMA has been shown to be involved in p53-mediated apoptosis. Additionally, PUMA encodes 2 BH3 domain-containing proteins, PUMA-alpha and PUMA-beta, that are produced through the use of an alternative first exon and are induced in cells following p53 activation. Furthermore, PUMA couples the nuclear and cytoplasmic proapoptotic functions of p53.

Overview

Product Name	Anti-PUMA/BBC3 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PUMA/BBC3 Antibody catalog # PA1313. 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 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	Q9BXH1

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PUMA, identical to the related rat and mouse 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-PUMA/BBC3 Antibody Picoband® (PA1313) Images



Anti-PUMA antibody, PA1313, Western blotting
All lanes: Anti PUMA(PA1313) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Predicted bind size: 21KD
Observed bind size: 21KD

2 Publications Citing This Product

1. PubMed ID: 25630785, Nerve growth factor reduces apoptotic cell death in rat facial motor neurons after facial nerve injury
2. PubMed ID: 21248471, Zhao Y, Wu S, Wu J, Jia P, Gao S, Yan X, Wang Y. Cancer Biol Ther. 2011 Jan 1;11(1):95-107. Doi: 10.4161/Cbt.11.1.13960. Introduction Of Hypoxia-Targeting P53 Fusion Protein For The Selective Therapy Of Non-Small Cell Lung Cancer.

Visit bosterbio.com/anti-puma-antibody-pa1313-boster.html to see all 2 publications.

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