

Anti-beta Defensin 1/DEFB1 Antibody Picoband®

Catalog Number: PA1450

About DEFB1

DEFB1, Beta-defensin 1, is a protein that in humans is encoded by the DEFB1 gene. DEFB1 belongs to the defensin family. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. The DEFB1 gene spans more than 7 kb and includes a large 6,962-bp intron. By 2-color fluorescence in situ hybridization on both metaphase chromosomes and released chromatin fiber, the DEFB1 gene is mapped to 8p23.2-p23.1, within 100 to 150 kb of the gene for human neutrophil defensin-alpha-1. DEFB1 may augment neonatal host defenses through antimicrobial effects or prime the adaptive immune system at mucosal surfaces.

Overview

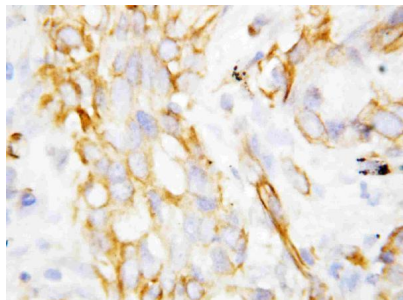
Product Name	Anti-beta Defensin 1/DEFB1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-beta Defensin 1/DEFB1 Antibody catalog # PA1450. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior 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	P60022

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human beta Defensin 1.
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 Western blot, 0.1-0.5ug/ml, Human

Anti-beta Defensin 1/DEFB1 Antibody Picoband® (PA1450) Images



Anti-beta Defensin 1 antibody, PA1450, IHC(P)IHC(P): Lung Cancer Tissue



Anti-beta Defensin 1 antibody, PA1450, Western blotting
All lanes: Anti Defensin 1 (PA1450) at 0.5ug/ml
WB : COLO320 Whole Cell Lysate at 40ug
Predicted bind size: 7KD
Observed bind size: 7KD

1 Publications Citing This Product

1. PubMed ID: 10.5935/0004-2749.20170068, An investigation of human beta-defensins and cathelicidin expression in patients with pterygium

Visit bosterbio.com/anti-beta-defensin-1-antibody-pa1450-boster.html to see all 1 publications.

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Anti-beta Defensin 1/DEFB1 Antibody

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