

Anti-beta Defensin 1/DEFB1 Antibody

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

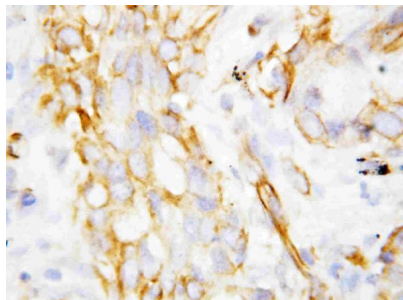
Product Name	Anti-beta Defensin 1/DEFB1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-beta Defensin 1/DEFB1 Antibody catalog # PA1450. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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.
Predicted Reactive Species	Horse
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Western blot, 0.1-0.5ug/ml, Human

Anti-beta Defensin 1/DEFB1 Antibody (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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