

Datasheet for ABIN3043211
anti-beta Defensin 1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	beta Defensin 1 (DEFB1)
Binding Specificity:	AA 52-68, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Defensin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Beta-defensin 1(DEFB1) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human beta Defensin 1(52-68aa FTKIQGTCYRGKAKCCK).
Sequence:	FTKIQGTCYR GKAKCCK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Beta-defensin 1(DEFB1) detection. Tested with WB, IHC-P in Human. Gene Name: defensin, beta 1 Protein Name: Beta-defensin 1(BD-1/hBD-1)

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: beta Defensin 1 (DEFB1)

Alternative Name: DEFB1 ([DEFB1 Products](#))

Background: 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.

Synonyms: BD 1 antibody|BD-1 antibody|BD1 antibody|beta 1 antibody|Beta defensin 1 antibody|Beta-defensin 1 antibody|DEFB 1 antibody|DEFB1 antibody|DEFB1_HUMAN antibody|DEFB101 antibody|Defensin antibody|Defensin beta 1 antibody|Defensin beta 1 preproprotein antibody|HBD 1 antibody|hBD-1 antibody|HBD1 antibody|MGC51822 antibody

UniProt: [P60022](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

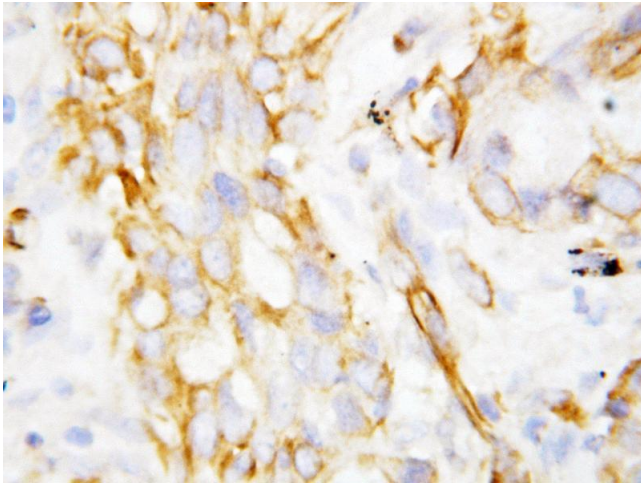
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Western Blotting

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



Immunohistochemistry

Image 2. Anti-beta Defensin 1 antibody, IHC(P) IHC(P): Lung Cancer Tissue