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Datasheet for ABIN181701

anti-beta Defensin 1 antibody (Biotin)

4 Images

Overview

Quantity:	50 µg
Target:	beta Defensin 1 (DEFB1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Defensin 1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	E. Coli derived recombinant Human beta Defensin-1
Specificity:	This antibody detects Human BD-1. Other species not tested.
Purification:	Affinity Chromatography

Target Details

Target:	beta Defensin 1 (DEFB1)
Alternative Name:	Defensin beta 1 (DEFB1 Products)
Background:	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. The mature form of Beta

Target Details

defensin 1 is 36 amino acids.Synonyms: BD-1, BD1, Beta-defensin 1, DEFB1, DEFB101, HBD1, hBD-1

Gene ID: 1672

NCBI Accession: [NP_005209](#)

UniProt: [P60022](#)

Application Details

Application Notes: ELISA: Direct: To detect Human BD-1 (using 100 µL/well antibody solution) a concentration of 0.25-1.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-1. Sandwich: To detect Human BD-1 (using 100 µL/well antibody solution) a concentration of 0.25-1.0 µg/mL of this antibody is required. In conjunction with Polyclonal Anti-Human BD-1 (AP01151PU) as a capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-1. Western blot: To detect Human BD-1 this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human BD-1 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

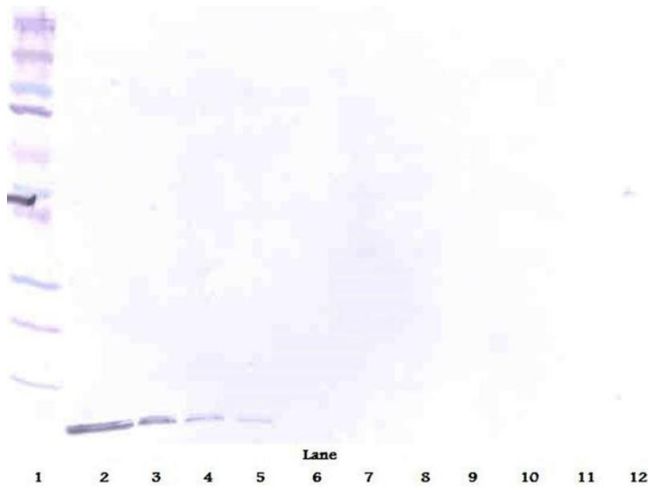


Image 1.

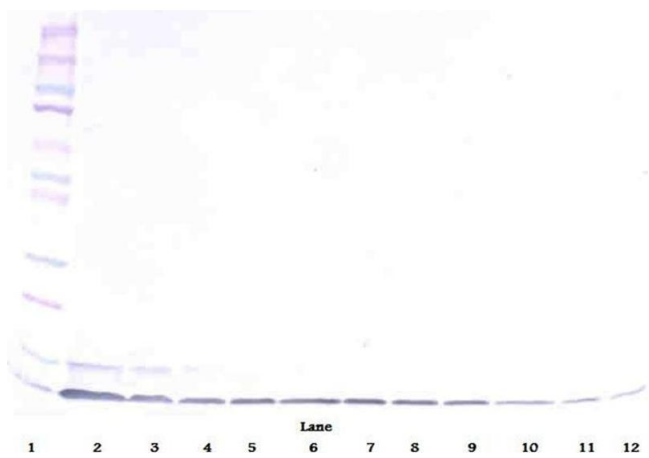


Image 2.

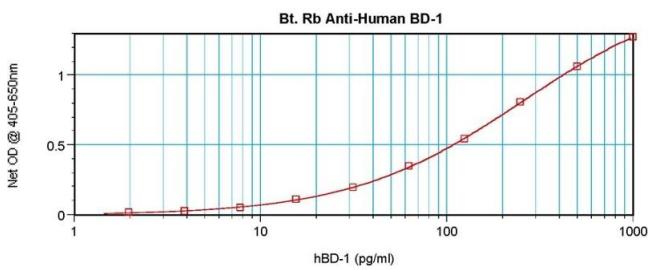


Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN181701.