

ARG56711 anti-BD4 / beta Defensin 4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BD4 / beta Defensin 4
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BD4 / beta Defensin 4
Species	Human
Immunogen	E.coli derived Recombinant Human BD-4. (EFELDRICGY GTARCRKKCR SQEYRIGRCP NTYACCLRKW DESLLNRTKP)
Conjugation	Un-conjugated
Alternate Names	DEFB-4; hBD-4; Defensin, beta 104; Beta-defensin 104; DEFB4; BD-4; Beta-defensin 4; DEFB104

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56820 as a detection antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 140596 Human](#)
[Swiss-port # Q8WTO1 Human](#)

Gene Symbol DEFB104A

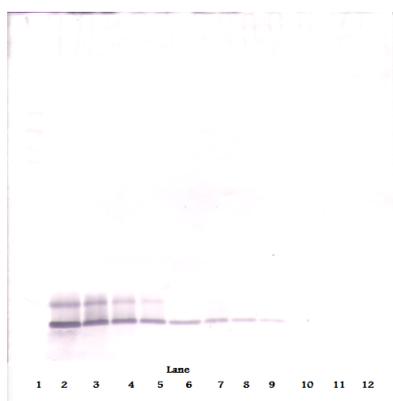
Gene Full Name defensin, beta 104A

Background Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Chromosome 8p23 contains at least two copies of the duplicated beta-defensin cluster. This duplication results in two identical copies of defensin, beta 104, DEFB104A and DEFB104B, in head-to-head orientation. This gene, DEFB104A, represents the more centromeric copy. [provided by RefSeq, Oct 2014]

Function Has antimicrobial activity. Synergistic effects with lysozyme and DEFB103. [UniProt]

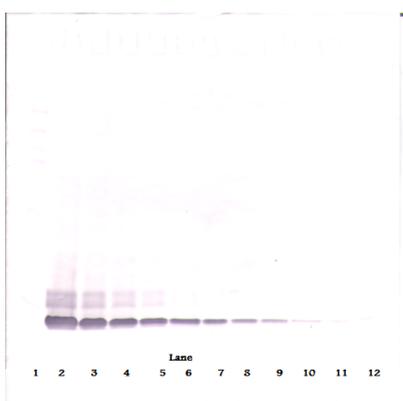
Calculated Mw 9 kDa

Images



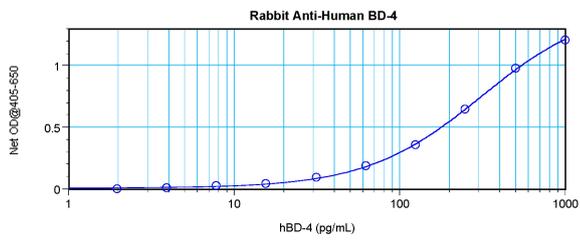
ARG56711 anti-BD4 / beta Defensin 4 antibody WB image

Western blot: 250 - 0.24 ng of Human BD-4 stained with ARG56711 anti-BD4 / beta Defensin 4 antibody, under reducing conditions.



ARG56711 anti-BD4 / beta Defensin 4 antibody WB image

Western blot: 250 - 0.24 ng of Human BD-4 stained with ARG56711 anti-BD4 / beta Defensin 4 antibody, under non-reducing conditions.



ARG56711 anti-BD4 / beta Defensin 4 antibody standard curve image

Sandwich ELISA: ARG56711 anti-BD4 / beta Defensin 4 antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG56820 anti-BD-4 / beta Defensin-4 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.