

Rabbit anti-Human, Rat Alpha Defensin 1 Polyclonal Antibody | anti-DEFA1 antibody

Anti-Alpha Defensin 1 Antibody

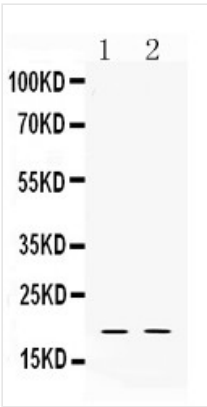
CATALOG # AAA46756	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot
------------------------------	-----------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

Alpha Defensin 1; Polyclonal Antibody; Anti-Alpha Defensin 1 Antibody; DEF1; DEFA1; DEFA1B; DEFA2; Defensin 1; Defensin; HNP-1; HNP-2; HNP1; HP-1; HP-2; HP1; HP2; MRS; P59665; Neutrophil defensin 1; defensin alpha 1; anti-DEFA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalouse, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	94
Applicable Applications for anti-DEFA1 antibody	WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Alpha Defensin 1 (65-94aa ACYCRIPACIAGERRYGTCTIYQGRLWAFCC).
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Western blot analysis of Alpha Defensin 1 expression in rat testis extract (lane 1) and HELA whole cell lysates (lane 2). Alpha Defensin 1 at 19KD was detected using rabbit anti- Alpha Defensin 1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-DEFA1 antibody	Rabbit IgG polyclonal antibody for Neutrophil defensin 1(DEFA1) detection. Background: Defensin, alpha 1, also known as human alpha defensin 1, human neutrophil peptide 1 (HNP-1) or neutrophil defensin 1 is a human protein that is encoded by the DEFA1 gene. Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.
References	1. "Entrez Gene: DEFA1 defensin, alpha 1". 2. Aldred PM, Hollox EJ, Armour JA (Jul 2005). "Copy number polymorphism and expression level variation of the human alpha-defensin genes DEFA1 and DEFA3".Hum Mol Genet. 14 (14): 2045-52. 3. Feng Y, Gutekunst CA, Eberhart DE, Yi H, Warren ST, Hersch SM (Mar 1997). "Fragile X mental retardation protein: nucleocytoplasmic shuttling and association with somatodendritic ribosomes". J Neurosci. 17 (5): 1539-47.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124248516
NCBI GeneID	728358
NCBI Accession #	NP_001035965.1
NCBI GenBank Nucleotide #	NM_001042500.1
UniProt Accession #	P59665; P11479; Q14125; Q6EZF6
NCBI Official Full Name	neutrophil defensin 1 isoform 2 preproprotein
NCBI Official Synonym Full Names	defensin alpha 1B
NCBI Official Symbol	DEFA1B
NCBI Official Synonym Symbols	HP1; HP-1; HNP-1
NCBI Protein Information	neutrophil defensin 1
UniProt Protein Name	Neutrophil defensin 1
UniProt Gene Name	DEFA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-defensin-1-antibody-western-blot-elisa/46756>