Alpha Defensin 1 Antibody / DEFA1 (R32739)

Catalog No.	Formulation	Size
R32739	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P59665
Applications	WB: 0.5-1ug/ml
Limitations	This Alpha Defensin 1 antibody is available for research use only.



Western blot testing of 1) rat testis and 2) human HeLa lysate with Alpha Defensin 1 antibody at 0.5ug/ml. Predicted molecular weight ~10 kDa.

Description

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.

Application Notes

Optimal dilution of the Alpha Defensin 1 antibody should be determined by the researcher.

Immunogen

Amino acids 65-94 (ACYCRIPACIAGERRYGTCIYQGRLWAFCC) from the human protein were used as the immunogen for the Alpha Defensin 1 antibody.

Storage

After reconstitution, the Alpha Defensin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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