

Product datasheet for **AP20627PU-N**

alpha Defensin 1 (DEFA1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Defensin α 1 protein. (region surrounding Ser52)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	defensin alpha 1
Database Link:	Entrez Gene 728358 Human Entrez Gene 1667 Human P59665



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Background:

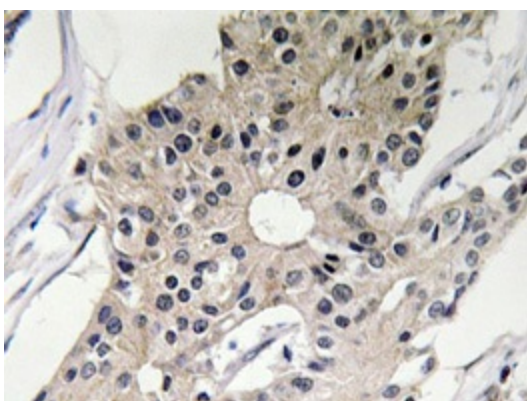
β -Defensins (also designated BD, and HBD in human) are small cationic peptides with broad-spectrum antimicrobial activity. β -defensins are involved in the resistance of epithelial surfaces, such as airway surface fluid, to microbial colonization. Produced in mucosal epithelia and neutrophils of several species, β -defensins are developmentally regulated. Human β -defensin 1, isolated from the kidney, has a molecular mass of 3.9 kDa. Human β -defensin 1 shares homology with other β -defensins from human blood filtrate and is also present in nanomolar concentrations in human plasma. In addition to the antimicrobial activity of human airway epithelia, β -defensin 1 may play a role in the mucosal defenses of the lung.

Synonyms:

Neutrophil defensin 1, HNP-1, DEFA1, DEF1, DEFA2, MRS

Protein Families:

Druggable Genome

Product images:

Immunohistochemistry analyzes of Defensin alpha-1 antibody (Cat.-No AP20627PU-N) in paraffin-embedded human breast carcinoma tissue.