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Neutrophil defensin 4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58060

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P12838
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10504

Additional Information

Gene ID	1669
Other Names	Neutrophil defensin 4, Defensin, alpha 4, HNP-4, HP-4, DEFA4, DEF4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DEFA4 (HGNC:2763)
Function	Host-defense peptide that has antimicrobial activity against Gram-negative bacteria, and to a lesser extent also against Gram- positive bacteria and fungi (PubMed:15317502, PubMed:15616305, PubMed:2500436, PubMed:2501794, PubMed:30658057). Exhibits antimicrobial activity against Gram-negative E.coli and E.aerogenes and Gram-positive S.faecalis, S.aureus and B.cereus and the yeast C.albicans (in vitro) (PubMed:15317502, PubMed:15616305, PubMed:17088326, PubMed:2500436, PubMed:2501794, PubMed:30658057). Interacts with pathogenic surface proteins and toxins, such as HIV-1 surface protein gp120 and B.anthracis anthrax lethal factor lef (PubMed:15620707, PubMed:30658057). Protects blood cells against infection with HIV-1 (in vitro) (PubMed:15620707). Inhibits enzymatic activity of B.anthracis lef/anthrax lethal factor (in vitro) (PubMed:30658057). Inhibits corticotropin (ACTH)-stimulated corticosterone production (in vitro) (PubMed:2843187).
Cellular Location	Secreted {ECO:0000250|UniProtKB:Q01523}. Cytoplasmic vesicle, secretory vesicle. Note=Stored as mature peptide in neutrophil granules.
Tissue Location	Expressed in neutrophils (at protein level) (PubMed:2500436, PubMed:2501794, PubMed:2843187). Expressed in bone marrow

(PubMed:8469233).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.