

Neutrophil defensin 4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58060**Specification**

Neutrophil defensin 4 Polyclonal Antibody - Product Information

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

Neutrophil defensin 4 Polyclonal Antibody - Additional Information**Gene ID** 1669**Other Names**

Neutrophil defensin 4, Defensin, alpha 4, HNP-4, HP-4, DEFA4, DEF4

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

Neutrophil defensin 4 Polyclonal Antibody - 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:2500436, PubMed:2501794, PubMed:15317502, PubMed:15616305, 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:2500436, PubMed:2501794, PubMed:15317502, PubMed:15616305, PubMed:17088326, PubMed:30658057). Interacts with pathogenic surface proteins and toxins, such as HIV-1 surface protein gp120 and B.anthraxis anthrax lethal factor lef (PubMed:15620707).

target="_blank">15620707, PubMed:30658057). Protects blood cells against infection with HIV-1 (in vitro) (PubMed:15620707). Inhibits enzymatic activity of B.anthraxis 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:2843187, PubMed:2500436, PubMed:2501794). Expressed in bone marrow (PubMed:8469233).

Neutrophil defensin 4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neutrophil defensin 4 Polyclonal Antibody - Images