

## Summary

<b>Production Name</b>	Defensin $\alpha$ 4 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DEFA4
<b>Alternative Names</b>	DEFA4; DEF4; Neutrophil defensin 4; Defensin; $\alpha$ 4; HNP-4; HP-4
<b>Gene ID</b>	1669.0
<b>SwissProt ID</b>	P12838.The antiserum was produced against synthesized peptide derived from human Defensin alpha4. AA range:27-76

## Application

<b>Dilution Ratio</b>	IHC 1:100-1:300 ELISA: 1:40000
<b>Molecular Weight</b>	

## Background

defensin alpha 4(DEFA4) Homo sapiens Defensins are a family of antimicrobial and cytotoxic peptides thought to be

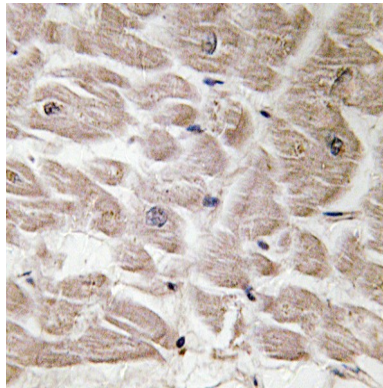
**Product Name: Defensin  $\alpha$ 4 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09904**



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. Several alpha defensin genes are clustered on chromosome 8. This gene differs from other genes of this family by an extra 83-base segment that is apparently the result of a recent duplication within the coding region. The protein encoded by this gene, defensin, alpha 4, is found in the neutrophils; it exhibits corticostatic activity and inhibits corticotropin stimulated corticosterone production. [provided by RefSeq, Oct 2014],function:Has antimicrobial activity against Gram-negative bacteria, and to a lesser extent also against Gram-positive bacteria and fungi. Protects blood cells against infection with HIV-1 (in vitro). Inhibits corticotropin (ACTH)-stimulated corticosterone production.,similarity:Belongs to the alpha-defensin family.,subunit:Homodimer.,

## Research Area

## Image Data



Immunohistochemistry analysis of Defensin  $\alpha$ 4 antibody in paraffin-embedded human heart tissue.

## Note

For research use only.