

Product Name: Defensin α 4 Rabbit Polyclonal Antibody**Catalog #: APRab09904**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC, ICC/IF, ELISA
Reactivity	Human, Rat, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000

Molecular Weight

Antigen Information

Gene Name	DEFA4
Alternative Names	DEFA4; DEF4; Neutrophil defensin 4; Defensin; α 4; HNP-4; HP-4
Gene ID	1669.0
SwissProt ID	P12838
Immunogen	The antiserum was produced against synthesized peptide derived from human Defensin α 4. AA range:27-76

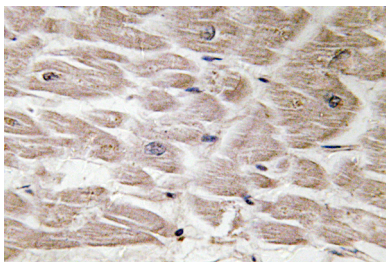
Background

defensin α 4 (DEFA4) Homo sapiens 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. 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 α 4 antibody in paraffin-embedded human heart tissue.