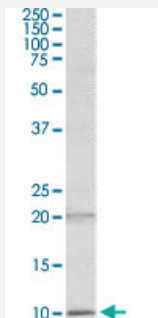


# DEFA1/DEFA3 polyclonal antibody

Catalog # PAB18743

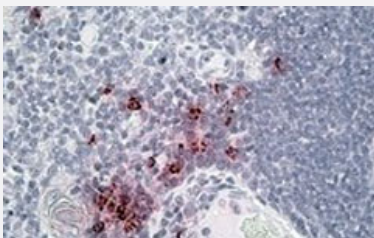
Size 100 ug

## Applications



### Western Blot (Tissue lysate)

DEFA1|DEFA3 polyclonal antibody (Cat # PAB18743) (2 ug/mL) staining of human spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DEFA1|DEFA3 polyclonal antibody (Cat # PAB18743) (3.8 ug/mL) staining of paraffin embedded human thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of DEFA1/DEFA3.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region of human DEFA1/DEFA3.
<b>Sequence</b>	C-DESLAPKHPGSRKN
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	10.2
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody is expected to equally recognize DEFA1 precursor and DEFA3 precursor.

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — DEFA1

Entrez GeneID	<a href="#">1667</a>
Protein Accession#	<a href="#">NP_004075.1 (Gene ID : 1667);NP_005208.1 (Gene ID : 1668)</a>
Gene Name	DEFA1
Gene Alias	DEF1, DEFA2, HNP-1, HP-1, MGC138393, MRS
Gene Description	defensin, alpha 1
Omim ID	<a href="#">125220</a>

## Gene Ontology

[Hyperlink](#)

## Gene Summary

Defensins are a family of microbicidal 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 appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. It differs from defensin, alpha 3 by only one amino acid. [provided by RefSeq]

## Other Designations

OTTHUMP00000196017|defensin, alpha 1, myeloid-related sequence|defensin, alpha 2|myeloid-related sequence

## Gene Info — DEFA3

## Entrez GeneID

[1668](#)

## Protein Accession#

[NP\\_004075.1 \(Gene ID : 1667\)](#); [NP\\_005208.1 \(Gene ID : 1668\)](#)

## Gene Name

DEFA3

## Gene Alias

DEF3, HNP-3, HNP3, HP-3

## Gene Description

defensin, alpha 3, neutrophil-specific

## Omim ID

[604522](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

Defensins are a family of microbicidal 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 appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 3, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. It differs from defensin, alpha 1 by only one amino acid. [provided by RefSeq]

## Other Designations

defensin 3, neutrophil-specific|defensin, alpha 3|neutrophil peptide 3

## Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hearing Loss](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Sepsis](#)
- [Sepsis](#)