



Anti-DEFA1 polyclonal antibody (DPAB-DC727)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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. 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. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.

Specificity	DEFA1 polyclonal antibody detects endogenous levels of DEFA1 protein.
Immunogen	A synthetic peptide corresponding to DEFA1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity purification
Conjugate	Unconjugated
Applications	IHC-P,
Format	Liquid
Concentration	1 mg/mL
Size	100 µl
Buffer	In PBS, pH 7.2 (0.05% sodium azide)

Preservative	0.05% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DEFA1 defensin, alpha 1 [Homo sapiens (human)]
Official Symbol	DEFA1
Synonyms	DEFA1; defensin, alpha 1; HP1; MRS; DEF1; HP-1; DEFA2; HNP-1; neutrophil defensin 1; defensin, alpha 2; myeloid-related sequence; defensin, alpha 1, myeloid-related sequence;
Entrez Gene ID	1667
Protein Refseq	NP_004075
UniProt ID	P59665
Chromosome Location	8p23.1
Pathway	Alpha-defensins; Defensins; Innate Immune System;