

# Defensin $\alpha$ 1 rabbit pAb

Cat No.:ES4988

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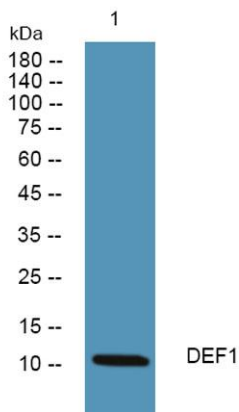
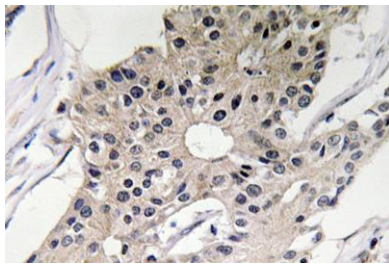
## Overview

Product Name	Defensin $\alpha$ 1 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Defensin alpha1. AA range:3-52
Specificity	Defensin $\alpha$ 1 Polyclonal Antibody detects endogenous levels of Defensin $\alpha$ 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Neutrophil defensin 1
Gene Name	DEFA1
Cellular localization	Secreted.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	11kD
Human Gene ID	1667
Human Swiss-Prot Number	P59665
Alternative Names	DEFA1; DEF1; DEFA2; MRS; DEFA1B; Neutrophil defensin 1; Defensin; $\alpha$ 1; HNP-1; HP-1; HP1 defensin alpha 1(DEFA1) Homo sapiens
Background	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. 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. [provided by RefSeq, Oct 2014],

Immunohistochemistry analysis of Defensin  $\alpha$ 1 antibody in paraffin-embedded human breast carcinoma tissue.



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night

