



# Defensin $\alpha$ 1 Polyclonal Antibody

Catalog No	BYab-03812
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	DEFA1
Protein Name	Neutrophil defensin 1
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.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	DEFA1; DEF1; DEFA2; MRS; DEFA1B; Neutrophil defensin 1; Defensin; $\alpha$ 1; HNP-1; HP-1; HP1
Observed Band	11kD
Cell Pathway	Secreted.
Tissue Specificity	Liver,Lung,
Function	function:Defensin 1 and defensin 2 have antibacterial, fungicide and antiviral activities. Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane.,similarity:Belongs to the alpha-defensin family.,subunit:Dimer.,
Background	defensin alpha 1(DEFA1) 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

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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],

**matters needing attention**

Avoid repeated freezing and thawing!

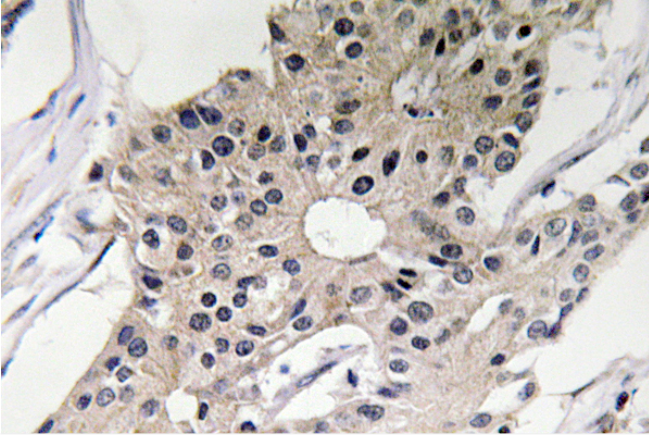
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

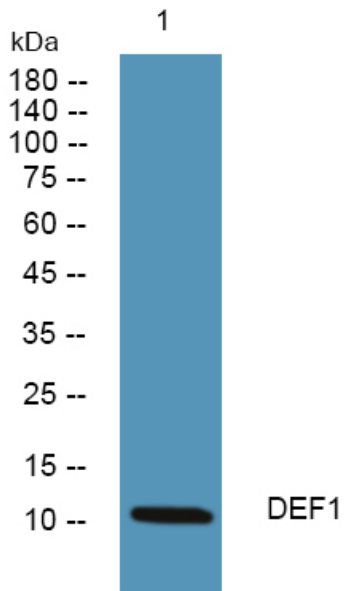




## Products Images



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