

## Anti-DEFA1 Antibody (4M838)

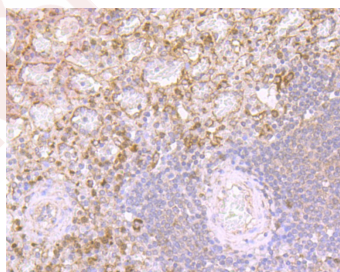
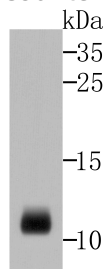
### Product Details

Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 10 kDa.
Clone:	4M838
Purification:	ProG affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of HNP-1 on rat spleen tissue lysates using anti-HNP-1 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-HNP-1 antibody. Counter stained with hematoxylin.



Application:	IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Peptide  
Uniprot ID: P59665  
Synonyms: DEFA 2;DEF1;DEFA1B;Defensin, a 1;Defensin,  $\alpha$ 1;DEFA2;DEFA1;Neutrophil defensin 1;HP1)

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### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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