

Product datasheet for **TA371258S**

alpha Defensin 1 (DEFA1B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human left kidney tissue IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human DEFA1B
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	10 kDa
Gene Name:	defensin alpha 1B
Database Link:	Entrez Gene 728358 Human P59665



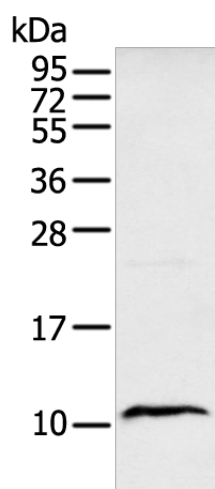
[View online »](#)

Background:

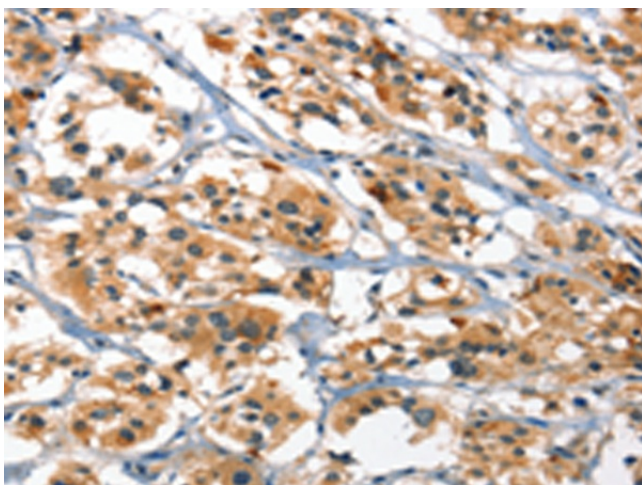
Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin 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. Two transcript variants encoding different isoforms have been found for this gene.

Synonyms:

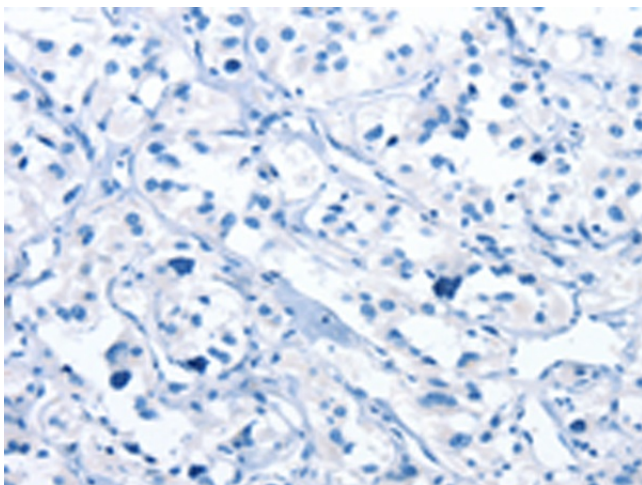
HNP-1; HP-1; HP1

Product images:

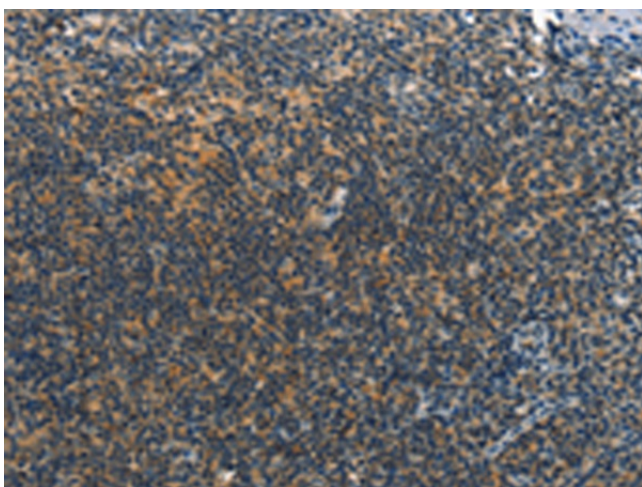
Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane: Human left kidney tissue
Primary antibody: [TA371258] (DEFA1B Antibody) at dilution 1/350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



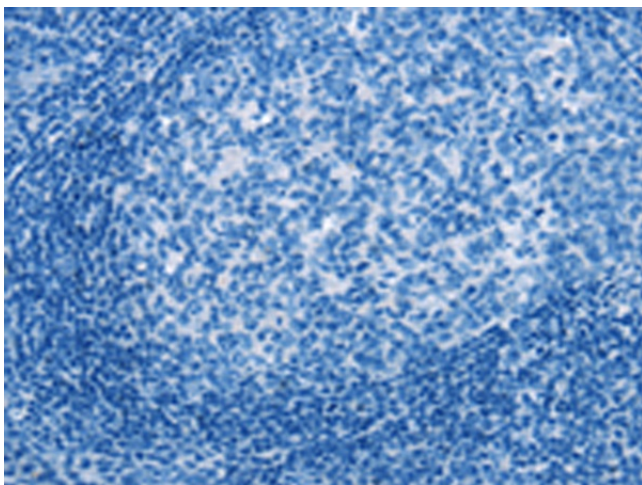
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA371258] (DEFA1B Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA371258] (DEFA1B Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA371258] (DEFA1B Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA371258] (DEFA1B Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)