

Product datasheet for **TA322802**

alpha Defensin 1 (DEFA1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 5-20 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 49-63 amino acids of Human Defensin, alpha 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	defensin alpha 1
Database Link:	NP_004075 Entrez Gene 1667 Human P59665



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Background:

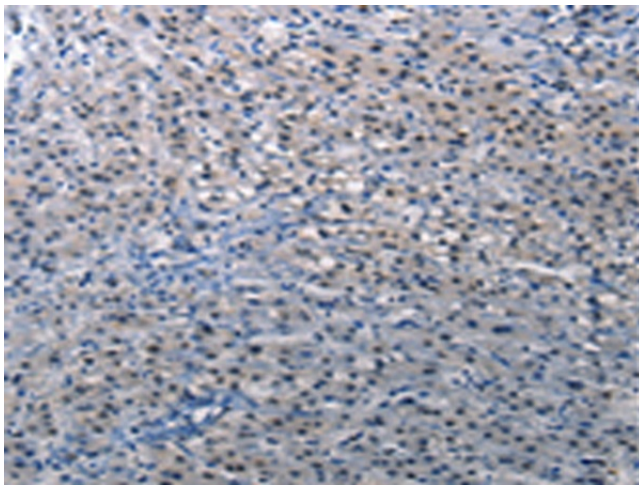
Defensins are a family of microbicidal and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine; respiratory tract; urinary tract; and vagina. Members of the defensin 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.

Synonyms:

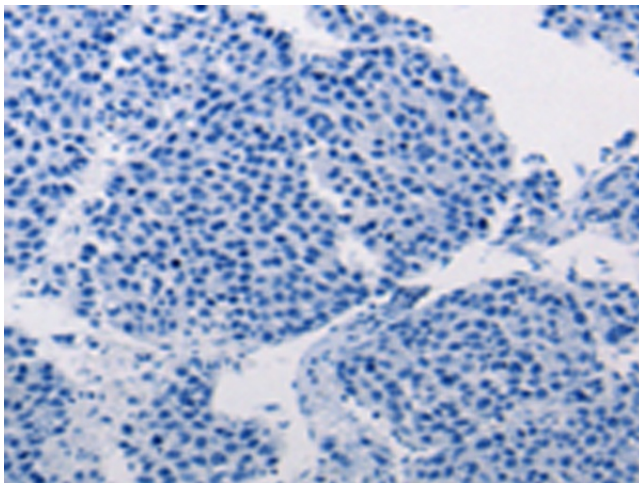
DEF1; DEFA2; HNP-1; HP-1; HP1; MRS

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322802 (DEFA1 Antibody) at dilution 1/10 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322802 (DEFA1 Antibody) at dilution 1/10, treated with synthetic peptide. (Original magnification: $\times 200$)