

DEFB109 Rabbit pAb

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Catalog # AP55479

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q30KR1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9886
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DEFB109
Epitope Specificity	23-87/87
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Beta-defensins are small cationic peptides with broad-spectrum antimicrobial activity against a variety of enveloped viruses, fungi and bacteria. Produced in mucosal epithelia and neutrophils of several species, Beta-defensins are developmentally regulated. The family of Beta-defensin proteins share a common defensin-motif that is characterized by multiple cysteine residues and a highly conserved tertiary structure. Besides playing a significant role in host immune defense, many Beta-defensins also are involved in sperm maturation and capacitation. Beta-defensin 109 is an 87 amino acid secreted protein that is notably expressed on the ocular surface and is found in reduced levels in microbial infection, therefore suggesting that this particular Beta-defensin is unlikely to have a major antimicrobial effect.

Additional Information

Gene ID	641517
Other Names	Beta-defensin 109B, DEFB-109, HBD9, Defensin beta 109B {ECO:0000312 HGNC:HGNC:33469}, DEFB109B (HGNC:33469), DEFB109P1B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

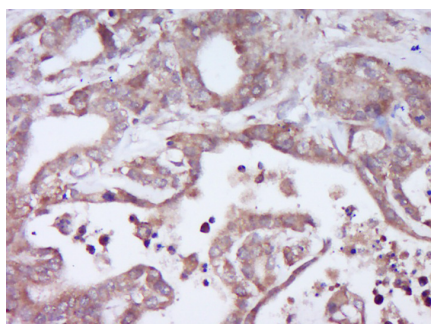
Protein Information

Name	DEFB109B (HGNC:33469)
Synonyms	DEFB109P1B
Function	Has antibacterial activity.
Cellular Location	Secreted.
Tissue Location	Constitutively expressed in all regions of the ocular surface with predominant expression in the uppermost layers of the corneal epithelium and lower levels in basal layers (at protein level) (PubMed:20375350). Also detected in some keratocytes in the corneal stroma (at protein level) (PubMed:20375350). Expressed in all layers of the limbal epithelium with no expression found in limbal keratocytes (at protein level) (PubMed:20375350). Strongly expressed in the conjunctival epithelium with decreased expression in basal layers (at protein level) (PubMed:20375350). Also strongly expressed in tonsil tissue (at protein level) (PubMed:20375350)

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human stomach cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DEFB109) Polyclonal Antibody, Unconjugated (AP55479) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.