

Rabbit Anti-DEFB109 antibody

SL14243R

Product Name DEFB109

Chinese Name 防御素 β -109/ β -defensin 109 抗体

Alias Beta defensin 109; DB109_HUMAN; DEFB109 Beta defensin 109; Defensin beta 109.

Research Area Cell biology Developmental biology Bacteria and viruses

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 7.4kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DEFB109: 23-87/87

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Beta-defensins are small cationic peptides with broad-spectrum antimicrobial activity

Detail

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.

Function:

DEFB109 belongs to the beta defensin family. It has antibacterial activity.

Subcellular Location:

Secreted

Similarity:

Belongs to the beta-defensin family.

SWISS:

Q30KR1

Gene ID:

641517

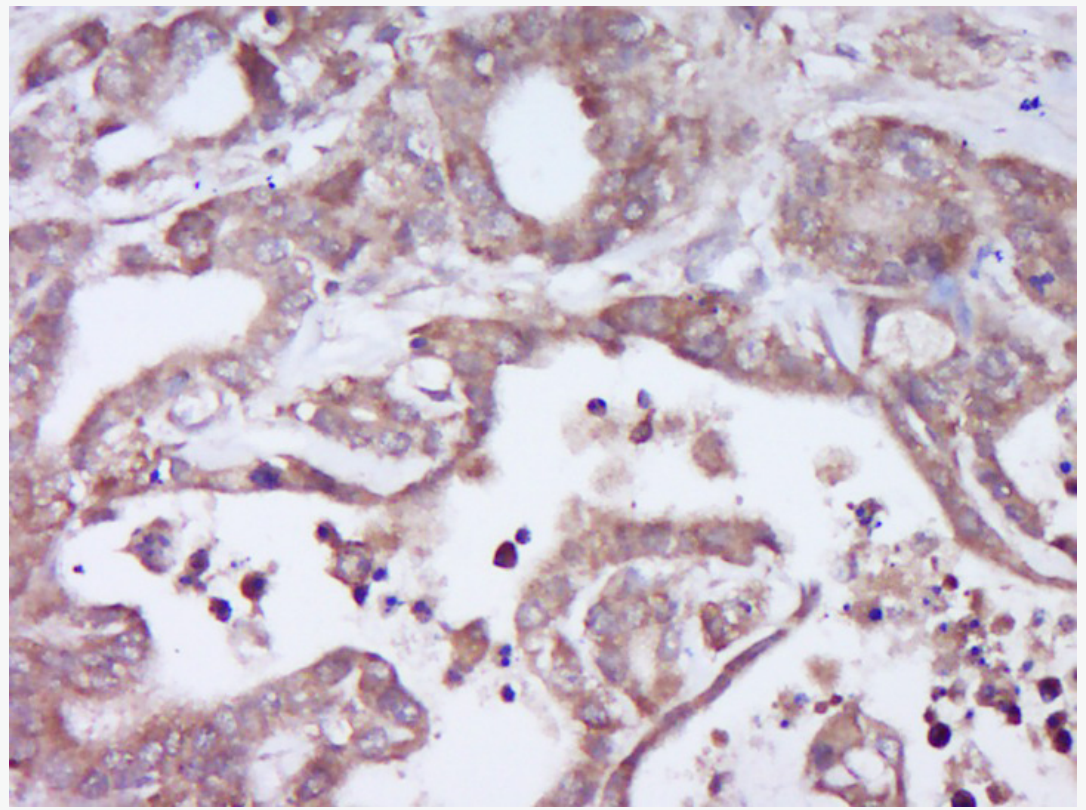
Database links:

[Entrez Gene: 100286963](#) Human

[Entrez Gene: 641517](#) Human

[SwissProt: Q30KR1](#) Human

**Product
Picture**



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 (SL14243R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.