

Rabbit Anti-DEFB121 antibody

SL14251R

Product Name DEFB121

Chinese Name 防御素 β -121/ β -defensin 121 抗体

Alias beta 121; Beta-defensin 121; Beta-defensin 21; DB121_HUMAN; DEFB-21; DEFB121; Defensin; defensin, beta 121; defensin, beta 21; ESC42RELC.

Research Area Cell biology immunology Developmental biology

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 6.8kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DEFB121: 16-76/76

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 121 is a 76 amino acid secreted protein that most likely contains a signal peptide sequence that requires cleavage by proteolytic enzymes in order to become biologically active. While expressed at low levels in testis, Beta-defensin 121 is abundantly expressed in epididymal caput and corpus and, unlike other Beta-defensins, it does not appear to be regulated by androgens.

Function:

Has antibacterial activity.

Subcellular Location:

Secreted.

Similarity:

Belongs to the beta-defensin family.

SWISS:

Q5J5C9

Gene ID:

245934

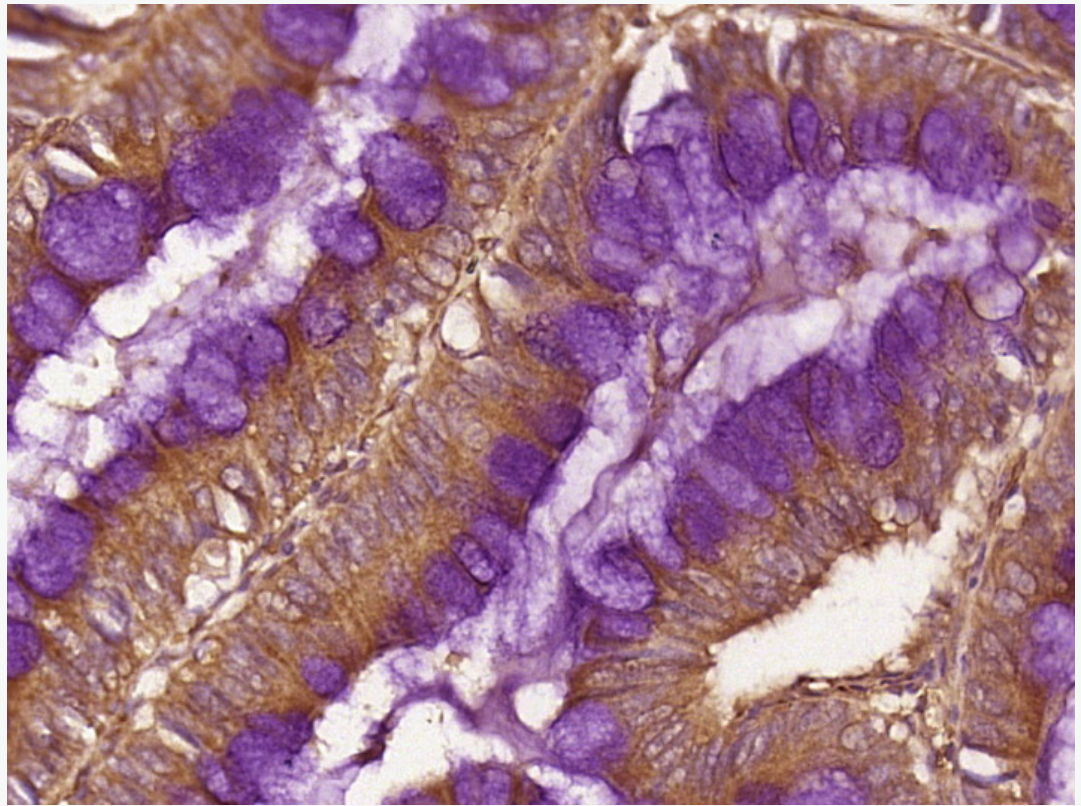
Database links:

[Entrez Gene: 245934](#) Human

[SwissProt: Q5J5C9](#) Human

[Unigene: 272294](#) Human

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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 (DEFB121) Polyclonal Antibody, Unconjugated (SL14251R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.