



SUNLONG

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

Rabbit Anti-Defensin alpha 5 antibody

SL10577R

Product Name Defensin alpha 5

Chinese Name 防御素 α 5 抗体

Alias alpha 5; alpha 5 Defensin; DEF5; DEF5_HUMAN; DEF5_RAT; Defa; Defa29; DEFA5; Defcr2
Defensin 5; Defensin alpha-5; Defensin alpha 5 Paneth cell specific; Defensin alpha 5 prepropro
Enteric defensin; HD 5; HD5; HD5(20-94); HD5(63-94); MGC129728; RD 5.

Research Area Cell biology immunology

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Rat,)

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 4.1kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Defensin alpha 5: 31-94/94

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](#)

Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are those peptides that kill microbes by permeabilizing their plasma membrane. All DEFA5 peptides exert antimicrobial activity and their potency is affected by peptide processing.

Function:

Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are those peptides that kill microbes by permeabilizing their plasma membrane. All DEFA5 peptides exert antimicrobial activity and their potency is affected by peptide processing.

Subcellular Location:

Secreted. Cytoplasmic vesicle, secretory vesicle. Peptides HD5(20-94), HD5(23-94) and HD5(26-94) are found within tissues, HD5(20-94) being the predominant intracellular form. Peptides HD5(56-94) and HD5(63-94) are found in the extracellular milieu, HD5(63-94) being the most abundant form.

Tissue Specificity:

Paneth cells of the small intestine (at protein level).

**Product
Detail**

Post-translational modifications:

Glycosylated.

Similarity:

Belongs to the alpha-defensin family.

SWISS:

Q01523

Gene ID:

1670

Database links:

[Entrez Gene: 1670](#) Human

[Omim: 600472](#) Human

[SwissProt: Q01523](#) Human

[Unigene: 655233](#) Human