



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; Defcr29; Defcr5; Defensin 5; Defensin alpha-5; Defensin alpha 5 Paneth cell specific; Defensin alpha 5 preproprotein; Defensin; Enteric defensin; HD 5; HD5; HD5(20-94); HD5(63-94); MGC129728; RD 5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	4.1kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane. All DEFA5 peptides exert antimicrobial activities, but their potency is affected by peptide processing.

Function:

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Subcellular Location:

Secreted. Cytoplasmic vesicle, secretory vesicle. Peptides HD5(20-94), HD5(23-94) and HD5(29-94) 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).

Post-translational modifications:

Glycosylated.

Similarity:

Belongs to the alpha-defensin family.

SWISS:

Q01523

Gene ID:

1670

Database links:

[Entrez Gene: 1670](#)Human

[Omid: 600472](#)Human

[SwissProt: Q01523](#)Human

[Unigene: 655233](#)Human

Important Note:

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