

For Research Use Only

# DEFA6 Polyclonal antibody

Catalog Number: 17923-1-AP

2 Publications



## Basic Information

### Catalog Number:

17923-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12341

### GenBank Accession Number:

BC093951

### GeneID (NCBI):

1671

### UNIPROT ID:

Q01524

### Full Name:

defensin, alpha 6, Paneth cell-specific

### Calculated MW:

100 aa, 11 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

IF

### Species Specificity:

human, mouse

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : COLO 320 cells, mouse small intestine tissue

IHC : human small intestine tissue,

## Background Information

Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. DEFA6 is alpha 6 of Defensin. This protein is secret expression and can be cleaved in to the fragments with MW 4-6 kDa. It can be used as a maker of Paneth cell. DEFA6 has very low antimicrobial activity against Gram-negative and Gram-positive bacteria. it may protect cells against infection with HIV-1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kathrin I Liszt	34784295	J Clin Invest	IF
Qian Wang	39111389	Mol Metab	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

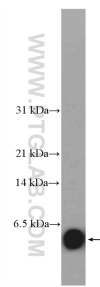
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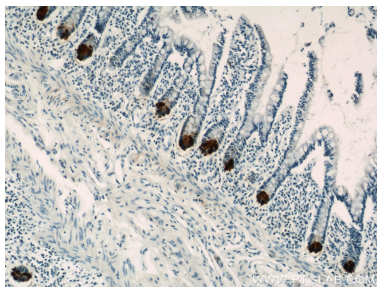
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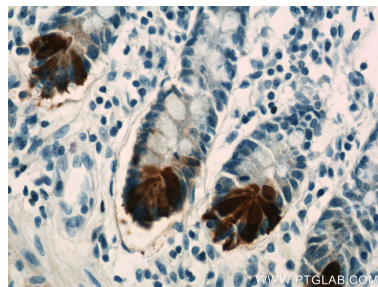
Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 17923-1-AP (DEFA6 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. (10 Sec exposure).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17923-1-AP (DEFA6 Antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17923-1-AP (DEFA6 Antibody) at dilution of 1:400 (under 40x lens).