

For Research Use Only

# DEFA6 Polyclonal antibody

Catalog Number: 17923-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 17923-1-AP	<b>GenBank Accession Number:</b> BC093951	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 550 ug/ml	<b>GeneID (NCBI):</b> 1671	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01524	
<b>Isotype:</b> IgG	<b>Full Name:</b> defensin, alpha 6, Paneth cell-specific	
<b>Immunogen Catalog Number:</b> AG12341	<b>Calculated MW:</b> 100 aa, 11 kDa <b>Observed MW:</b> 6-10 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF	<b>WB :</b> COLO 320 cells, mouse small intestine tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human small intestine tissue,
<b>Cited Species:</b> human	

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

## 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

For technical support and original validation data for this product please contact:

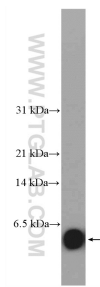
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

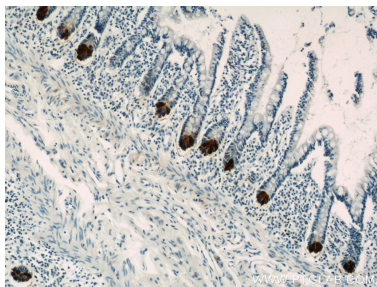
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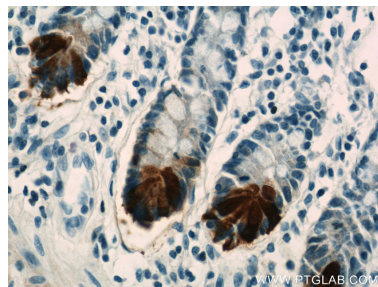
# Selected Validation Data



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).