

For Research Use Only

# DEFB132 Polyclonal antibody

Catalog Number:33219-1-AP



## Basic Information

Catalog Number:

33219-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37893

GenBank Accession Number:

BC137293

GeneID (NCBI):

400830

UNIPROT ID:

Q7Z7B7

Full Name:

defensin, beta 132

Observed MW:

11 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

## Applications

Tested Applications:

IHC, IP, ELISA

Species Specificity:

human

Positive Controls:

IP : LNCaP cells,

IHC : human urothelial carcinoma tissue,

**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

Human DEFB132 (Defensin Beta 132) is a member of the beta-defensin family and functions as a secreted antimicrobial peptide. This protein is highly expressed in epididymal epithelial cells and sperm, regulated by the androgen receptor signaling pathway, and serves as a key effector molecule of innate immunity in the male reproductive tract. DEFB132 exhibits broad-spectrum antimicrobial activity, inhibiting both Gram-negative bacteria such as \*Escherichia coli\* and Gram-positive bacteria such as \*Staphylococcus aureus\*, exerting its bactericidal function by disrupting the cell membranes of pathogens. As an inducible immune effector molecule, it plays multiple biological roles in host defense, reproductive health, and metabolic homeostasis.

## 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:

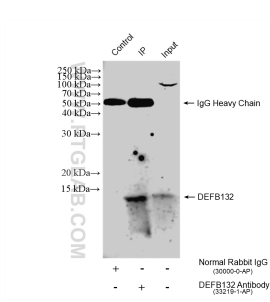
T: 4006900926

E: Proteintech-CN@ptglab.com

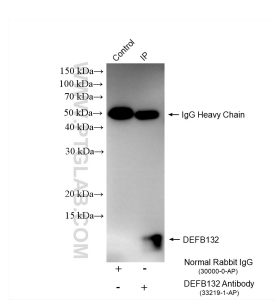
W: ptgcn.com

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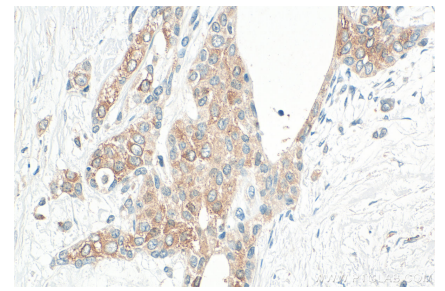
## Selected Validation Data



IP result of anti-DEFB132 (IP:33219-1-AP, 4ug; Detection:33219-1-AP 1:500) with LNCaP cells lysate 880 ug.



IP result of anti-DEFB132 (IP:33219-1-AP, 4ug; Detection:33219-1-AP 1:500) with LNCaP cells lysate 880 ug.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 33219-1-AP (DEFB132 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).