

For Research Use Only

DEFB132 Polyclonal antibody, PBS Only

Catalog Number: 33219-1-PBS



Basic Information

Catalog Number: 33219-1-PBS	GenBank Accession Number: BC137293	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 400830	
Source: Rabbit	UNIPROT ID: Q7Z7B7	
Isotype: IgG	Full Name: defensin, beta 132	
Immunogen Catalog Number: AG37893	Observed MW: 11 kDa	

Applications

Tested Applications:
IHC, IP, Indirect ELISA

Species Specificity:
human

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

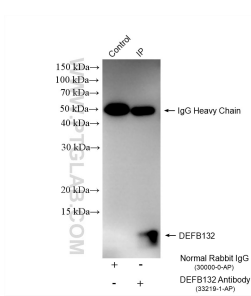
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

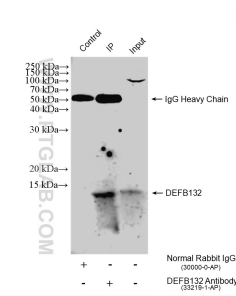
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

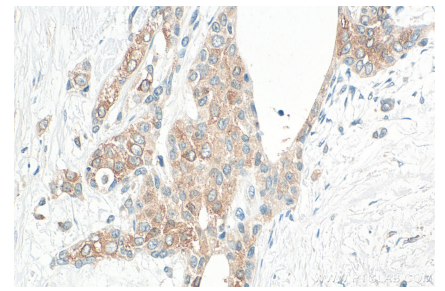
Selected Validation Data



IP result of anti-DEFB132 (IP:33219-1-AP, 4ug; Detection:33219-1-AP 1:500) with LNCaP cells lysate 880 ug. This data was developed using the same antibody clone with 33219-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 33219-1-PBS in a different storage buffer formulation.