

For Research Use Only

DEFB119 Polyclonal antibody, PBS Only

Catalog Number: 33236-1-PBS



Basic Information

Catalog Number:

33236-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36816

GenBank Accession Number:

BC062212

GeneID (NCBI):

245932

UNIPROT ID:

Q8N690

Full Name:

defensin, beta 119

Calculated MW:

84 aa, 10 kDa

Observed MW:

10 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

DEFB119 is a reproductive tract-specific β -defensin highly expressed in the testis and the epididymis (16). Single-cell sequencing analysis of testicular cells isolated from nonobstructive azoospermia men demonstrates an elevated expression of DEFB119 in the Sertoli cells. Male mice lacking the mouse ortholog DEFB19 demonstrated subfertility in both sexes. DEFB119 is also expressed in sperm and is involved in sperm chemotaxis. Elevated seminal DEFB119 was associated with a decrease in the observed genera, diversity and evenness of bacterial communities, and further distortion of the metacommunities (PMID: 39359400).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

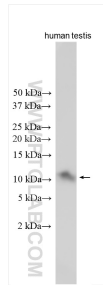
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33236-1-AP (DEFB119 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33236-1-PBS in a different storage buffer formulation.