

For Research Use Only

DEFB119 Polyclonal antibody

Catalog Number: 33236-1-AP



Basic Information

Catalog Number: 33236-1-AP	GenBank Accession Number: BC062212	Purification Method: Antigen affinity Purification
Concentration: 350 µg/ml	GeneID (NCBI): 245932	Recommended Dilutions: WB: 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q8N690	
Isotype: IgG	Full Name: defensin, beta 119	
Immunogen Catalog Number: AG36816	Calculated MW: 84 aa, 10 kDa	
	Observed MW: 10 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human testis tissue,
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 -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:

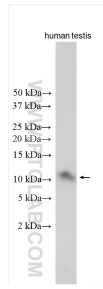
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Selected Validation Data



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.