

# DB118 Rabbit Polyclonal Antibody

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Catalog # AP93384

## Product Information

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Application	WB
Primary Accession	<a href="#">Q96PH6</a>
Reactivity	Rat, Human, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	13614

## Additional Information

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Gene ID	117285
Other Names	Defensin beta 118 {ECO:0000312   HGNC:HGNC:16196}, Beta-defensin 18, DEFB-18, Epididymal secretory protein 13.6, ESP13.6, DEFB118, C20orf63, DEFB18, ESC42
Dilution	WB~~1:1000
Storage Conditions	-20°C

## Protein Information

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Name	DEFB118
Synonyms	C20orf63, DEFB18, ESC42
Function	Host defense peptide that exhibits antimicrobial activity against both Gram-negative bacteria, such as E.coli and S.typhimurium, and Gram-positive bacteria, such as S.aureus and B.subtilis (PubMed: <a href="#">15033915</a> , PubMed: <a href="#">33224970</a> ). Inhibits cell adhesion of E.coli on intestinal epithelial enterocytes (PubMed: <a href="#">33224970</a> ). Causes rapid permeabilization of both the outer and inner membrane of E.coli, leading to morphological alterations on the bacterial surface (PubMed: <a href="#">15033915</a> ). Binds to bacterial lipopolysaccharides (LPS) with high affinity, and may thereby be involved in immunoregulation through LPS neutralization (PubMed: <a href="#">33181266</a> ). May contribute to epididymal innate immunity and protect the sperm against attack by microorganisms (PubMed: <a href="#">15033915</a> ).
Cellular Location	Secreted.
Tissue Location	High-level and epididymis-specific expression (PubMed:12600824). Most abundant in the epithelium of the caput and present in the epididymis lumen and bound to sperm (PubMed:12600824) Also expressed in pancreas

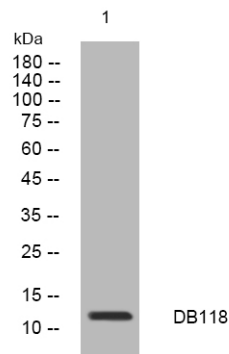
## Background

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This gene encodes a member of the beta subfamily of defensins. Beta-defensins are antimicrobial peptides that protect tissues and organs from infection by a variety of microorganisms. Expression of this gene is regulated by androgen, and the encoded protein binds to sperm and exhibits antibacterial activity against *E. coli*. This gene is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. [provided by RefSeq, Nov 2014],

## Images

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Western blot analysis of lysates from HCT116 cells,  
primary antibody was diluted at 1:1000, 4° over night

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.