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DB118 Rabbit Polyclonal Antibody

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Catalog # AP93384

Product Information

Application	WB
Primary Accession	Q96PH6
Reactivity	Human, Rat, Mouse
Host	Polyclonal, Rabbit,IgG
Clonality	Polyclonal
Calculated MW	13614

Additional Information

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℃

Protein Information

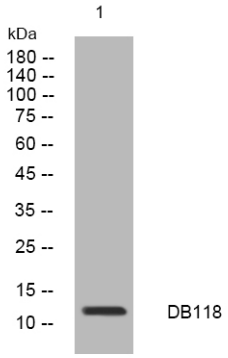
Name	DEFB118
Synonyms	C20orf63, DEFB18, ESC42
Function	Host defense peptide that exhibits antimicrobial activity against both Gram-negative bacteria, such as E.coli and S.typhimurium, and Gram-positive bacteria, such as S.aureus and B.subtilis (PubMed:15033915, PubMed:33224970). Inhibits cell adhesion of E.coli on intestinal epithelial enterocytes (PubMed:33224970). Causes rapid permeabilization of both the outer and inner membrane of E.coli, leading to morphological alterations on the bacterial surface (PubMed:15033915). Binds to bacterial lipopolysaccharides (LPS) with high affinity, and may thereby be involved in immunoregulation through LPS neutralization (PubMed:33181266). May contribute to epididymal innate immunity and protect the sperm against attack by microorganisms (PubMed:15033915).
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

(PubMed:12600824)

Background

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



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'.