

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°C

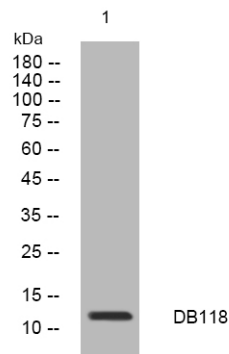
Protein Information

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

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

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