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Anti-Defensin alpha 3 Antibody

Catalog # AP61481

Product Information

Application	WB, IHC
Primary Accession	P59666
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10245

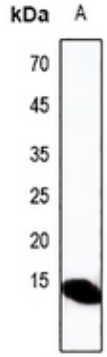
Additional Information

Gene ID	1668
Other Names	DEF3; Neutrophil defensin 3; Defensin alpha 3; HNP-3; HP-3; HP3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Defensin alpha 3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

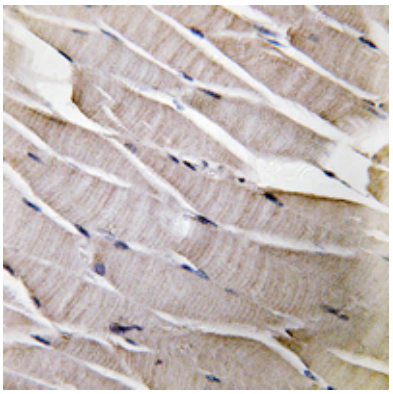
Protein Information

Name	DEFA3
Synonyms	DEF3
Function	Effector molecule of the innate immune system that acts via antibiotic-like properties against a broad array of infectious agents including bacteria, fungi, and viruses (PubMed:15616305, PubMed:15772169, PubMed:17142766). Possesses the ability to neutralize bacterial toxins such as B.anthracis lethal factor, Clostridium difficile cytotoxin B as well as leukocidin produced by Staphylococcus aureus (PubMed:15772169, PubMed:18435932, PubMed:25963798). Also blocks herpes simplex virus infection by interacting with envelope glycoprotein B and thus preventing its binding to heparan sulfate, the receptor for attachment (PubMed:17142766).
Cellular Location	Secreted.

Images



Western blot analysis of Defensin alpha 3 expression in H1688 (A) whole cell lysates. (Predicted band size: 10 kD; Observed band size: 11 kD)



Immunohistochemical analysis of Defensin alpha 3 staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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