

# Anti-Defensin alpha 3 Antibody

Rabbit polyclonal antibody to Defensin alpha 3

Catalog # AP61481

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P59666</a> |
| 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 0.09% (W/V) 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: <a href="#">15616305</a> , PubMed: <a href="#">15772169</a> , PubMed: <a href="#">17142766</a> ). Possesses the ability to neutralize bacterial toxins such as B.anthraxis lethal factor, Clostridium difficile cytotoxin B as well as leukocidin produced by Staphylococcus aureus (PubMed: <a href="#">15772169</a> , PubMed: <a href="#">18435932</a> , PubMed: <a href="#">25963798</a> ). 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: <a href="#">17142766</a> ). |
| Cellular Location | Secreted.  |

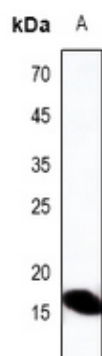
## Background

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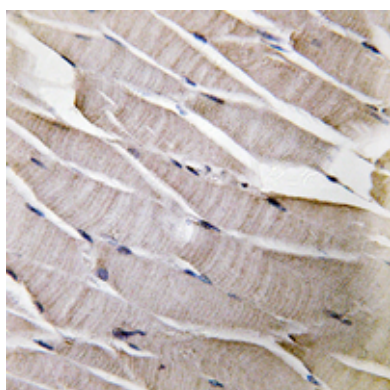
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Defensin alpha 3. The exact sequence is proprietary.

## Images

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Western blot analysis of Defensin alpha 3 expression in H1688 (A) whole cell lysates.



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'.