

## Goat DEFENSIN BETA 2 Polyclonal Antibody | anti-DEFB4B antibody

GOAT ANTI HUMAN DEFENSIN BETA 2

|                              |                     |                                                                                    |
|------------------------------|---------------------|------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49968</b> | HOST<br><b>Goat</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Functional Assay, ELISA</b> |
|------------------------------|---------------------|------------------------------------------------------------------------------------|

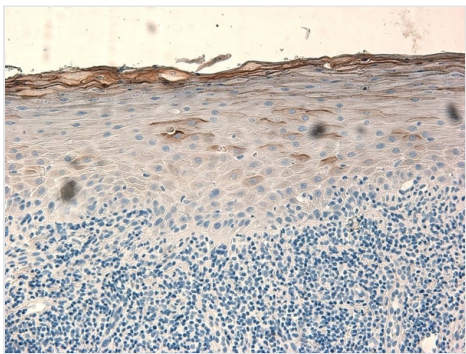
### PRODUCT SYNONYMS

DEFENSIN BETA 2; Polyclonal Antibody; GOAT ANTI HUMAN DEFENSIN BETA 2; anti-DEFB4B antibody

### PRODUCT SPECIFICATIONS

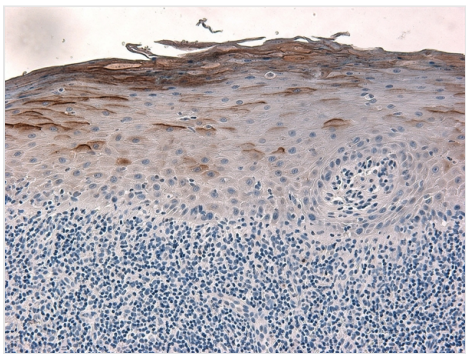
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|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Goat                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                          | IgG                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format                                      | Purified<br>Purified IgG - lyophilised                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                    | IgG concentration 0.1 mg/ml after reconstitution (varies by lot)                                                                                                                                                                                                                                                                                                          |
| Sequence Length                                  | 64                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-DEFB4B antibody | WB (Western Blot), IHC (Immunohistochemistry), FA (Functional Assay), ELISA                                                                                                                                                                                                                                                                                               |
| Reconstitution                                   | Reconstitute with 1.0ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide<br>Preparation |
| Immunogen                                        | Recombinant human Defensin beta-2.<br>Buffer Solution                                                                                                                                                                                                                                                                                                                     |
| Target Species                                   | Human                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                          | Prior to reconstitution store at 4 degree C. Following reconstitution store at -20 degree C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 12 months from date of reconstitution.       |

IMAGES



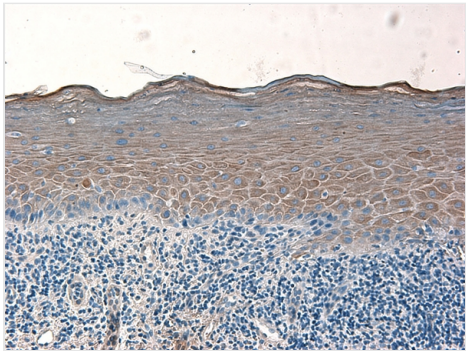
Application Data

Staining of formalin fixed, paraffin embedded inflamed oral mucosa with Goat anti Human beta defensin-1 (AAA49968)



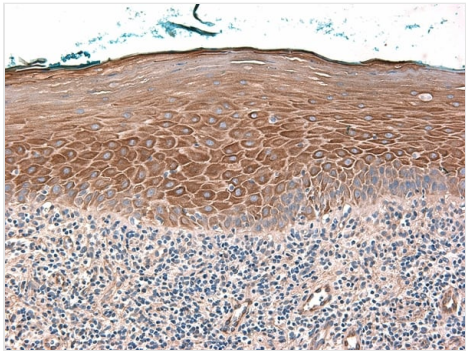
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ADDITIONAL INFORMATION

Related Product Information for anti-DEFB4B antibody

Goat anti Human Defensin beta 2 polyclonal antibody recognizes human Defensin beta-2 (BD-2), a ~4.3kDa cationic antimicrobial peptide, also known as Beta-defensin 4A or Skin-antimicrobial peptide 1 (SAP-1) expressed primarily by epithelial cells of the respiratory tract and skin, and an important component of the innate immune response against microbial infections. Expression of BD-2 is induced during inflammation in response to bacterial products and cytokines, and is initially expressed in a precursor form, which is cleaved to release the C-Terminal active portion of the protein which is secreted by the neutrophil and binds to bacterial membranes causing their disruption.

NCBI AND UNIPROT INFORMATION

|                                  |                   |
|----------------------------------|-------------------|
| NCBI GI #                        | 327532771         |
| NCBI GeneID                      | 100289462         |
| NCBI Accession #                 | NP_001192195.1    |
| NCBI GenBank Nucleotide #        | NM_001205266.1    |
| UniProt Accession #              | O15263; Q52LC0    |
| Molecular Weight                 | 7,038 Da          |
| NCBI Official Full Name          | beta-defensin 4B  |
| NCBI Official Synonym Full Names | defensin, beta 4B |
| NCBI Official Symbol             | DEFB4B            |
| NCBI Official Synonym Symbols    | DEFB4P            |

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | beta-defensin 4B; beta defensin 2; beta defensin-2; beta-defensin 2; defensin, beta 4, pseudogene |
| UniProt Protein Name       | Beta-defensin 4A                                                                                  |
| UniProt Gene Name          | DEFB4A                                                                                            |
| UniProt Synonym Gene Names | DEFB102; DEFB2; DEFB4; BD-2; hBD-2; SAP1                                                          |
| UniProt Entry Name         | DFB4A_HUMAN                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/defensin-beta-2-antibody-western-blot-immunohistochemistry-functional-assay-elisa/49968>