

## Product datasheet

# Anti-beta 4 Defensin antibody (Biotin) ab70216

### Overview

<b>Product name</b>	Anti-beta 4 Defensin antibody (Biotin)
<b>Description</b>	Rabbit polyclonal to beta 4 Defensin (Biotin)
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Highly pure (>98%) Human Recombinant full length beta 4 Defensin

### Properties

<b>Form</b>	Lyophilised:Centrifuge vial prior to opening. Reconstitute in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: None Constituents: PBS, pH 7.2
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab70216** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 8 kDa.
ELISA		Use a concentration of 0.25 - 1 µg/ml.
Sandwich ELISA		Use a concentration of 0.25 - 1 µg/ml. Can be paired for Sandwich ELISA with <a href="#">Rabbit polyclonal to beta 4 Defensin (ab70215)</a> . Can be used as Detection antibody.

## Target

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<b>Function</b>	Has antimicrobial activity. Synergistic effects with lysozyme and DEFB103.
<b>Tissue specificity</b>	High expression in the testis. Gastric antrum exhibited relatively high levels. A lower expression is observed in uterus and neutrophils thyroid gland, lung, and kidney. No detectable expression in other tissues tested.
<b>Sequence similarities</b>	Belongs to the beta-defensin family.
<b>Cellular localization</b>	Secreted.

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