

## Product datasheet

### Anti-beta 2 Defensin/BD-2 antibody ab63982

★★★★★ [1 Abreviews](#) [20 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-beta 2 Defensin/BD-2 antibody
<b>Description</b>	Rabbit polyclonal to beta 2 Defensin/BD-2
<b>Host species</b>	Rabbit
<b>Specificity</b>	Human 7 kDa beta 2 Defensin / hBD-2.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

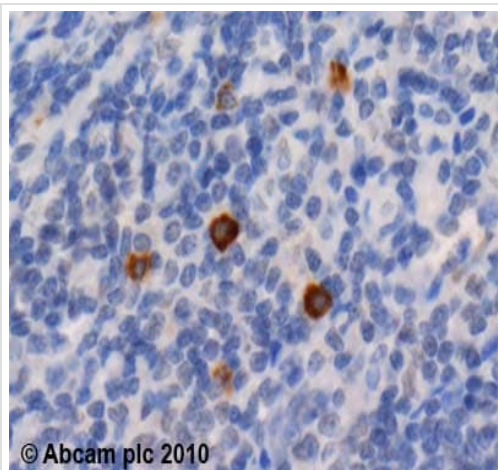
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab63982 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

<b>Function</b>	Has antibacterial activity.
<b>Tissue specificity</b>	Expressed in the skin and respiratory tract.
<b>Sequence similarities</b>	Belongs to the beta-defensin family. LAP/TAP subfamily.
<b>Cellular localization</b>	Secreted.

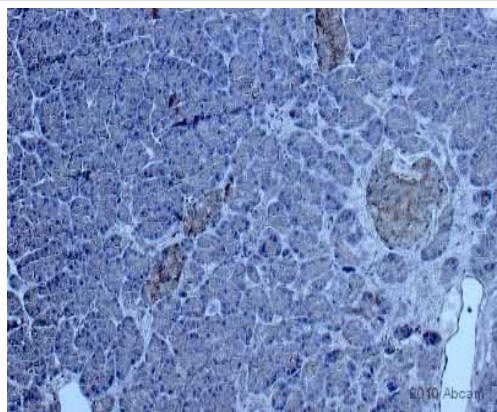
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Defensin/hBD-2 antibody (ab63982)

ab63982 (1/500) staining beta 2 Defensin/BD-2 in human tonsil using an automated system (DAKO Autostainer Plus). Using this protocol there is strong cytoplasmic staining of a small population of cells within the tonsillar tissue.

Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Defensin/BD-2 antibody (ab63982)

Image courtesy of Dr Ilka Werner-Martini by Abreview.

ab63982 staining beta 2 Defensin/BD-2 in human pancreatic tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with formaldehyde and a heat mediated antigen retrieval step was performed. Samples were then incubated with the primary antibody at a 1/500 dilution for 1 hour at 25°C. An undiluted HRP-conjugated goat polyclonal was used as secondary antibody.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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