

Product datasheet

Anti-alpha Defensin 1 + 2 + 3 antibody ab99504

3 Images

Overview

Product name	Anti-alpha Defensin 1 + 2 + 3 antibody
Description	Goat polyclonal to alpha Defensin 1 + 2 + 3
Host species	Goat
Specificity	ab99504 is expected to equally recognize alpha Defensin 1 precursor and alpha Defensin 3 precursor.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: C-DESLAPKHPGSRKN , corresponding to internal sequence amino acids 50-63 of Human alpha Defensin 1 + 2 + 3 (NP_004075.1; NP_005208.1). Run BLAST with Run BLAST with
Positive control	Human spleen lysate
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab99504** in the following tested applications.

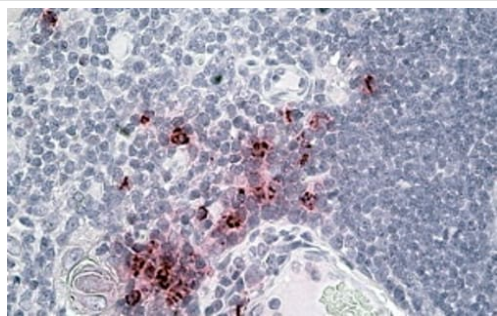
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 4 - 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 - 3 µg/ml. Predicted molecular weight: 10 kDa. 1 hour primary incubation is recommended for this product.

Target

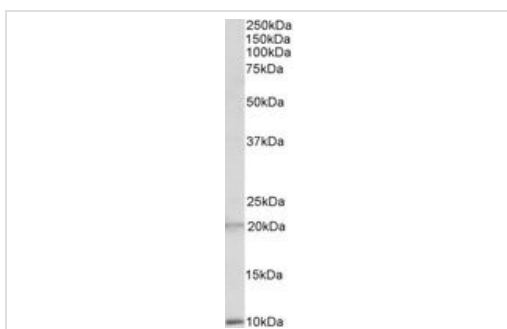
Relevance	Defensins are a group of cyclic peptides containing 29-35 amino acids, which comprise approximately 30% of the total protein content of neutrophil azurophilic granules. Various functions have been reported for the defensins, including antibacterial and antifungal activity and chemotactic activity for monocytes.
Cellular localization	Secreted

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Defensin 1 + 2 + 3 antibody (ab99504)

Immunohistochemical analysis of paraffin embedded Human Thymus staining alpha Defensin 1 + 2 + 3 with ab99504 (3.8µg/ml). Steamed antigen retrieval with citrate buffer pH 6.



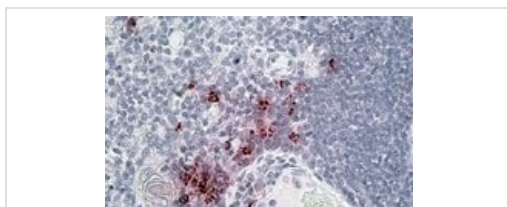
Western blot - Anti-alpha Defensin 1 + 2 + 3 antibody (ab99504)

Anti-alpha Defensin 1 + 2 + 3 antibody (ab99504) at 2 µg/ml + Human Spleen lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 10 kDa

Exposure time: 1 hour



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Defensin 1 + 2 + 3 antibody (ab99504)

ab99504 (3.8µg/ml) staining of paraffin embedded Human Thymus shows staining of selected cells. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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

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