

Product datasheet

Anti-Cathelicidin/CLP antibody [EPR20469] ab207758

Recombinant RabMAb

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Overview

Product name	Anti-Cathelicidin/CLP antibody [EPR20469]
Description	Rabbit monoclonal [EPR20469] to Cathelicidin/CLP
Host species	Rabbit
Specificity	Specificity for Antibacterial peptide LL-37
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human serum and plasma; Human fetal spleen lysate. IHC-P: Human spleen and tonsil tissues. IP: Human spleen lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR20469
Isotype	IgG

Applications

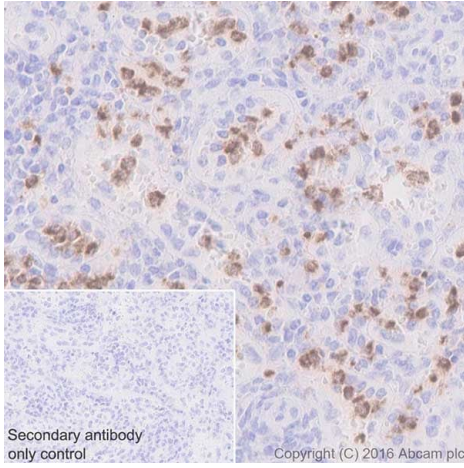
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab207758 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/30.
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 18 kDa (predicted molecular weight: 19 kDa).

Target

Function	Binds to bacterial lipopolysaccharides (LPS), has antibacterial activity.
Tissue specificity	Expressed in bone marrow and testis and neutrophils.
Sequence similarities	Belongs to the cathelicidin family.
Post-translational modifications	The N-terminus is blocked.
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [EPR20469] (ab207758)

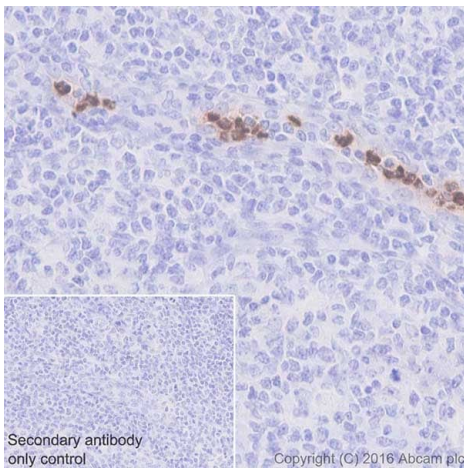
Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling Cathelicidin/CLP with ab207758 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Cytoplasmic staining on neutrophils of human spleen is observed [PMID: 10858248].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [EPR20469] (ab207758)

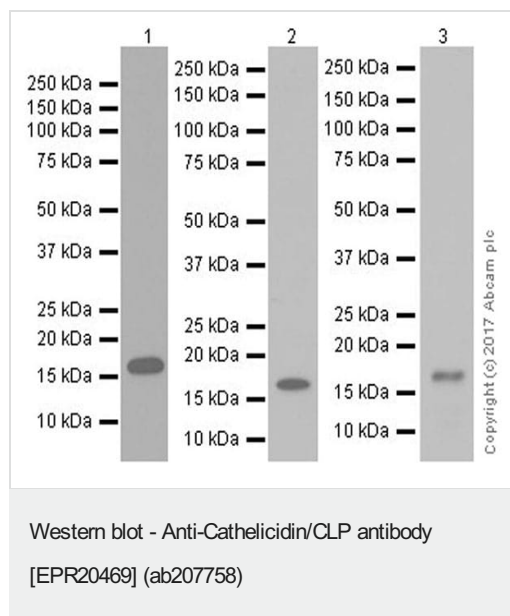
Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling Cathelicidin/CLP with ab207758 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Cytoplasmic staining on neutrophils in a blood vessel [PMID: 10858248].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



All lanes : Anti-Cathelicidin/CLP antibody [EPR20469] (ab207758) at 1/1000 dilution

Lane 1 : Human serum

Lane 2 : Human plasma

Lane 3 : Human fetal spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/4000 dilution

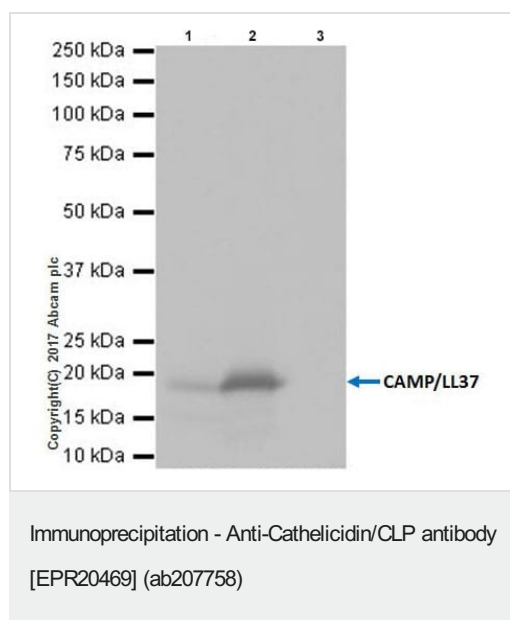
Predicted band size: 19 kDa

Observed band size: 18 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1: 3 seconds; Lane 2: 3 minutes; Lane 3: 2 seconds.

The molecular weight observed is consistent with what has been described in the literature (PMID 10858248).



Cathelicidin/CLP was immunoprecipitated from 0.35 mg of human spleen lysate with ab207758 at 1/30 dilution.

Western blot was performed from the immunoprecipitate using ab207758 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

Lane 1: Human spleen lysate, 10 µg (Input).

Lane 2: ab207758 IP in human spleen lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab207758 in human spleen lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Cathelicidin/CLP antibody [EPR20469]
(ab207758)

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