Datasheet for ABIN350187

anti-Cathelicidin antibody

3 Images

Go to Product page

Overview

Quantity:	500 µg
Target:	Cathelicidin (CAMP)
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Cathelicidin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from human Cathelicidin antimicrobial peptide conjugated to blue carrier protein has been used as the antigen.
Isotype:	IgG
Specificity:	Specific for Cathelicidin antimicrobial peptide.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	other species not yet tested.
Purification:	IgG

Target Details

Target:	Cathelicidin (CAMP)
Alternative Name:	LL-37 (CAMP Products)

Target Details

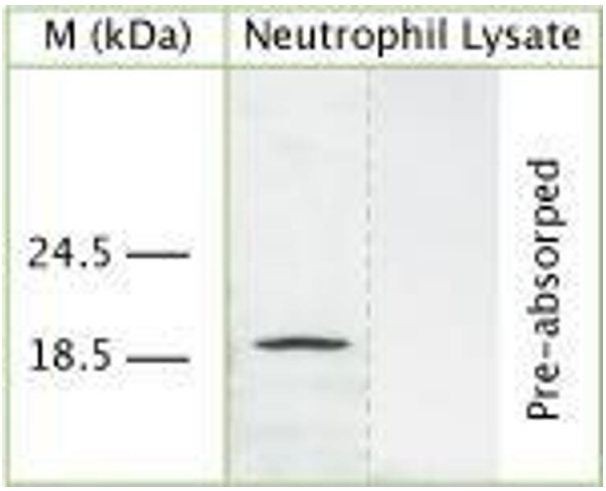
Background:	Cathelicidin antimicrobial protein is an antimicrobial protein found in specific granules of polymorphonuclear leukocytes. FUNCTION: Binds to bacterial lipopolysaccharides (LPS), has antibacterial activity. SUBCELLULAR LOCATION: Secreted. TISSUE SPECIFICITY: Expressed in bone marrow and testis and neutrophils.,Human Cathelicidin,CAMP, CAP18, FALL39, FALL-39, 18 kDa cationic antimicrobial protein, CAP-18, hCAP-18, LL37, CRAMP, HSD26
UniProt:	P49913
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	IHC, WB. Use at a concentration of 10-50 µg,ml. The optimal concentration should be determined by the end user.
Restrictions:	For Research Use only

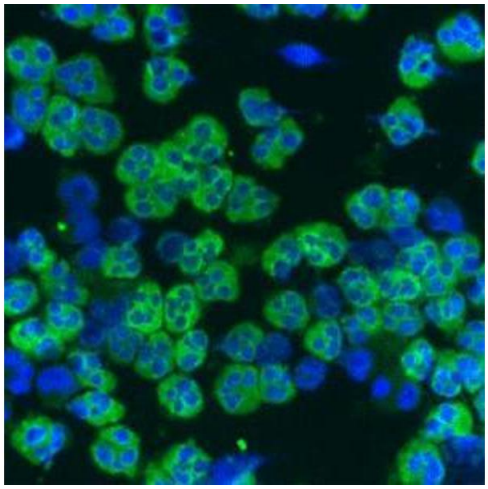
Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months



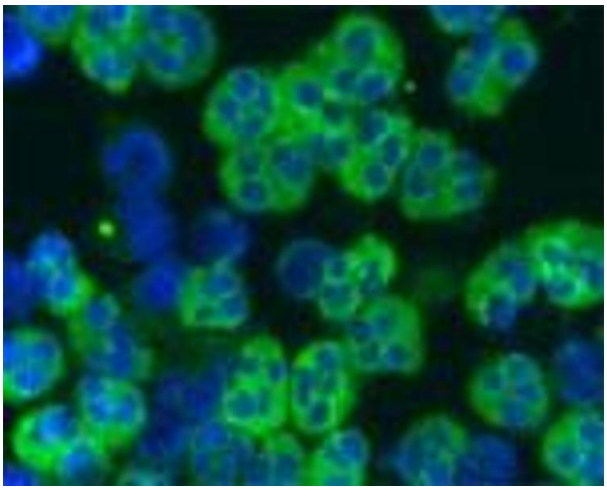
Western Blotting

Image 1. WB on human neutrophil lysate using Sheep antibody to human Cathelicidin antimicrobial peptide (CAP-18, hCAP-18, antibacterial protein LL-37, CAMP, CRAMP, FALL39): IgG (ABIN350187) at 50 µg/ml concentration. Pre-absorption of the antibody with the immunising peptide completely abolishes the detected band.



Immunofluorescence

Image 2. Staining of a cytospin preparation of peripheral blood mononuclear cells isolated from buffycoat. Cells were left to air dry and then fixed with cold acetone (90 seconds) and blocked with PBS containing 1% FCS and 0.1% saponin (blocking buffer) for 20 minutes. Cells were then washed twice in PBS and incubated with Sheep antibody to human Cathelicidin antimicrobial peptide: IgG (ABIN350187), diluted 50 µg/ml: in blocking buffer, for 1 hour at room temperature. Cells were washed twice in PBS followed by incubation for 30 minutes with the FITC-labeled secondary antibody. Finally, cells were washed and nuclear counterstained with DAPI. The antibody selectively recognizes polymorphonuclar cells.



Immunofluorescence

Image 3. Staining of a cytospin preparation of peripheral blood mononuclear cells isolated from buffycoat. Cells were left to air dry and then fixed with cold acetone (90 seconds) and blocked with PBS containing 1% FCS and 0.1% saponin (blocking buffer) for 20 minutes. Cells were then washed twice in PBS and incubated with Sheep antibody to human Cathelicidin antimicrobial peptide: IgG (ABIN350187), diluted 50 µg/ml: in blocking buffer, for 1 hour at room temperature. Cells were washed twice in PBS followed by incubation for

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