

Datasheet for ABIN873264

anti-Cathelicidin antibody (AA 101-170)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Cathelicidin (CAMP)
Binding Specificity:	AA 101-170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathelicidin antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calicidin
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	Cathelicidin (CAMP)
Alternative Name:	Cathelicidin (CAMP Products)

Target Details

Background:	<p>Synonyms: 18 kDa cationic antimicrobial protein; Antibacterial protein FALL-39; Antibacterial protein LL-37; CAMP; CAMP_HUMAN; CAP 18; CAP-18; CAP18; cathelicidin antimicrobial peptide; Cathelicidin antimicrobial peptide precursor; Cathelin-like protein; Cathelin-related antimicrobial peptide; CATHL3; Cationic antimicrobial protein CAP 18; Cationic antimicrobial protein, 18-KD; CLP; Cnlp; Cramp; CRAMP, mouse, homolog of; FALL 39; FALL 39 peptide antibiotic; FALL-39 peptide antibiotic; FALL39; hCAP 18; hCAP-18; hCAP18; HSD26; LL 37; LL37; MCLP; mcramp; Peptide antibiotic, PR-39, porcine, homolog of; SOB3.</p> <p>Background: Cathelicidins are a family of antimicrobial proteins found in the peroxidase-negative granules of neutrophils. Along with the family of proteins known as defensins, cathelicidins participate in the first line of defense by preventing local infection and systemic invasion of microbes. FALL-39 precursor (FALL-39 peptide antibiotic, cationic anti-microbial protein, CAMP, CAP-18, HSD26) is a cathelicidin anti-microbial protein that contains the antibacterial peptide LL-37 (amino acids 134-170). In contrast to the defensins, which are cysteine-rich peptides that fold in β-pleated sheets, LL-37 is a cysteine-free peptide that can adopt an amphipathic α-helical conformation. LL-37 binds to bacterial lipopolysaccharides (LPS) and is a potent chemotactic factor for recruiting mast cells to sites of inflammation. LL-37 is present in inflammatory skin diseases that include psoriasis, sub-acute lupus erythematosus, dermatitis and nickel contact hypersensitivity. It is not found in normal skin epidermis. The secreted protein is expressed primarily in bone marrow, testis and neutrophils. The mouse and rat ortholog, CRAMP (cathelin-related antimicrobial peptide), is also part of the cathelicidin family of host defense peptides. These include precursors of potent antimicrobial peptides that direct antimicrobial activity against various microbial pathogens and also activate mesenchymal cells during wound repair. CRAMP is expressed in testis, spleen, stomach and intestine.</p>
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Gene ID:	820
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Pathways:	Cellular Response to Molecule of Bacterial Origin
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Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months