

Datasheet for ABIN886762

anti-Cathelicidin antibody (AA 101-170) (Biotin)[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 conjugated to Biotin |
| Application: | ELISA, 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) |
| Background: | Synonyms: 18 kDa cationic antimicrobial protein; Antibacterial protein FALL-39; Antibacterial |

Target Details

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.

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 α -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.

| | |
|-----------|---|
| Gene ID: | 820 |
| Pathways: | Cellular Response to Molecule of Bacterial Origin |

Application Details

| | |
|--------------------|------------------------------------|
| Application Notes: | IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

| | |
|---------|--------|
| Format: | Liquid |
|---------|--------|

Handling

| | |
|--------------------|--|
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |