

LL37 / Cathelicidin Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12388**Specification**

LL37 / Cathelicidin Antibody (C-Terminus) - Product Information

Application	WB, IF
Primary Accession	P49913
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19kDa kDa

LL37 / Cathelicidin Antibody (C-Terminus) - Additional Information**Gene ID** 820**Other Names**

Cathelicidin antimicrobial peptide, 18 kDa cationic antimicrobial protein, CAP-18, hCAP-18, Antibacterial protein FALL-39, FALL-39 peptide antibiotic, Antibacterial protein LL-37, CAMP, CAP18, FALL39

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

LL37 / Cathelicidin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

LL37 / Cathelicidin Antibody (C-Terminus) - Protein Information**Name** CAMP ([HGNC:1472](#))**Function**

Antimicrobial protein that is an integral component of the innate immune system (PubMed: [22879591](http://www.uniprot.org/citations/22879591), PubMed: [16637646](http://www.uniprot.org/citations/16637646), PubMed: [18818205](http://www.uniprot.org/citations/18818205), PubMed: [9736536](http://www.uniprot.org/citations/9736536), PubMed: [14978112](http://www.uniprot.org/citations/14978112)). Binds to bacterial lipopolysaccharides (LPS) (PubMed: [16637646](http://www.uniprot.org/citations/16637646), PubMed: [18818205](http://www.uniprot.org/citations/18818205)). Acts via neutrophil N-formyl peptide receptors to enhance the release of CXCL2 (PubMed: [22879591](http://www.uniprot.org/citations/22879591)). Postsecretory processing generates multiple cathelicidin antimicrobial peptides with various lengths which act as a topical antimicrobial defense in sweat on skin (PubMed: [14978112](http://www.uniprot.org/citations/14978112)). The unprocessed precursor form, cathelicidin antimicrobial

peptide, inhibits the growth of Gram-negative E.coli and E.aerogenes with efficiencies comparable to that of the mature peptide LL-37 (in vitro) (PubMed:9736536).

Cellular Location

Secreted. Vesicle. Note=Stored as pro-peptide in granules and phagolysosomes of neutrophils (PubMed:9736536, PubMed:7529412). Secreted in sweat onto skin (PubMed:14978112).

Tissue Location

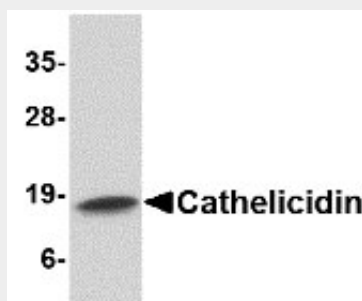
Expressed in neutrophilic granulocytes (at protein level) (PubMed:7890387, PubMed:8946956, PubMed:9736536, PubMed:7529412, PubMed:7615076, PubMed:8681941). Expressed in bone marrow (PubMed:7890387). [Antibacterial peptide FALL-39]: Expressed in bone marrow and testis.

LL37 / Cathelicidin Antibody (C-Terminus) - Protocols

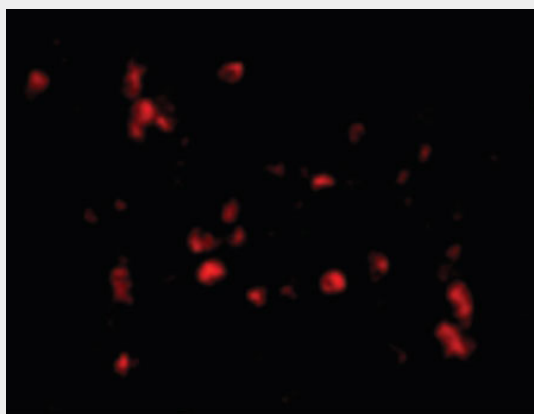
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LL37 / Cathelicidin Antibody (C-Terminus) - Images



Western blot of Cathelicidin in Human spleen tissue lysate with Cathelicidin antibody at 1 ug/ml.



Immunofluorescence of Cathelicidin in Human Spleen cells with Cathelicidin antibody at 20 ug/ml.

LL37 / Cathelicidin Antibody (C-Terminus) - Background

Binds to bacterial lipopolysaccharides (LPS), has antibacterial activity.

LL37 / Cathelicidin Antibody (C-Terminus) - References

Agerberth B.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:195-199(1995).
Cowland J.B.,et al.FEBS Lett. 368:173-176(1995).
Larrick J.W.,et al.Infect. Immun. 63:1291-1297(1995).
Larrick J.W.,et al.FEBS Lett. 398:74-80(1996).
Gudmundsson G.H.,et al.Eur. J. Biochem. 238:325-332(1996).