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# CAMP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16981b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P49913 |
| **Other Accession** | NP_004336.2 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB36670 |
| **Calculated MW** | 19301 |
| **Antigen Region** | 123-152 |

## Additional Information

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| **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 |
| **Target/Specificity** | This CAMP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-152 amino acids from the C-terminal region of human CAMP. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CAMP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CAMP ( HGNC:1472) |
| **Function** | Antimicrobial protein that is an integral component of the innate immune system (PubMed:14978112, PubMed:16637646, PubMed:18818205, |

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| | PubMed:22879591, PubMed:9736536). Binds to bacterial lipopolysaccharides (LPS) (PubMed:16637646, PubMed:18818205). Acts via neutrophil N-formyl peptide receptors to enhance the release of CXCL2 (PubMed:22879591). Postsecretory processing generates multiple cathelicidin antimicrobial peptides with various lengths which act as a topical antimicrobial defense in sweat on skin (PubMed: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:7529412, PubMed:9736536). Secreted in sweat onto skin (PubMed:14978112). |
| **Tissue Location** | Expressed in neutrophilic granulocytes (at protein level) (PubMed:7529412, PubMed:7615076, PubMed:7890387, PubMed:8681941, PubMed:8946956, PubMed:9736536). Expressed in bone marrow (PubMed:7890387). [Antibacterial peptide FALL-39]: Expressed in bone marrow and testis. |

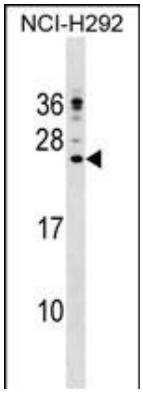
## Background

Cathelicidin antimicrobial protein is an antimicrobial protein found in specific granules of polymorphonuclear leukocytes (PMNs).

## References

van der Does, A.M., et al. J. Immunol. 185(3):1442-1449(2010)
Jiang, Y., et al. Respirology 15(6):939-946(2010)
Goo, J., et al. Pediatr Dermatol 27(4):341-348(2010)
Kai-Larsen, Y., et al. PLoS Pathog. 6 (7), E1001010 (2010) :
Pistolic, J., et al. J Innate Immun 1(3):254-267(2009)

## Images




CAMP Antibody (C-term) (Cat. #AP16981b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the CAMP antibody detected the CAMP protein (arrow).

## Citations

- LL-37 modulates human neutrophil responses to influenza A virus.
- The human cathelicidin LL-37 inhibits influenza A viruses through a mechanism distinct from that of surfactant protein D or defensins.