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CAMP Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16981b

Specification

CAMP Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P49913
Other Accession	NP_004336.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**123-152**

CAMP Antibody (C-term) - 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

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

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.

CAMP Antibody (C-term) - Protein Information

Name CAMP (HGNC:1472)

Function Antimicrobial protein that is an integral component of the innate immune system

(PubMed:22879591, PubMed:16637646, PubMed:18818205, PubMed:9736536, PubMed:14978112). 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:9736536, PubMed:7529412). Secreted in sweat onto skin (PubMed:14978112).

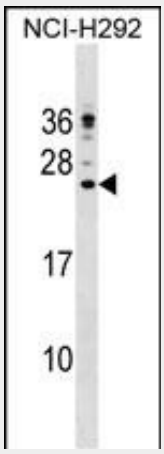
Tissue Location
Expressed in neutrophilic granulocytes (at protein level) (PubMed:7890387, PubMed:8946956, PubMed:9736536, PubMed:7529412, PubMed:7615076, PubMed:8681941). Expressed in bone marrow (PubMed:7890387). [Antibacterial peptide FALL-39]: Expressed in bone marrow and testis.

CAMP Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAMP Antibody (C-term) - 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).

CAMP Antibody (C-term) - Background

Cathelicidin antimicrobial protein is an antimicrobial
protein found in specific granules of polymorphonuclear leukocytes

(PMNs).

CAMP Antibody (C-term) - 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)

CAMP Antibody (C-term) - 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.