

For Research Use Only

CAMP Polyclonal antibody

Catalog Number: 12009-1-AP

9 Publications



Basic Information

Catalog Number: 12009-1-AP	GenBank Accession Number: BC055089	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 820	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P49913	IHC 1:50-1:500
Isotype: IgG	Full Name: cathelicidin antimicrobial peptide	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG2622	Calculated MW: 170 aa, 19 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: IHC, IF	WB : human plasma, mouse spleen tissue
Species Specificity: human, mouse	IHC : mouse spleen tissue, human lung cancer tissue, human spleen tissue, human tonsillitis tissue, mouse brain tissue
Cited Species: human, mouse	IF/ICC : HeLa cells, THP-1 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CAMP is a member of an antimicrobial peptide family, characterized by a highly conserved N-terminal signal peptide containing a cathelin domain and a structurally variable cationic antimicrobial peptide, which is produced by extracellular proteolysis from the C-terminus. In addition to its antibacterial, antifungal, and antiviral activities, the encoded protein functions in cell chemotaxis, immune mediator induction, and inflammatory response regulation. CAMP encodes the 18-kDa proprotein hCAP18. FALL-39 and LL-37 are the mature cathelicidin peptides. This antibody can recognize all the proprotein and cleaved species.

Notable Publications

Author	Pubmed ID	Journal	Application
Muhua Huang	34493162	Pharm Biol	
Yinting Jiang	33190003	Immunobiology	IHC
Lingxia Li	31260839	Res Vet Sci	

Storage

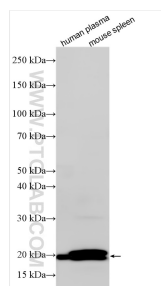
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

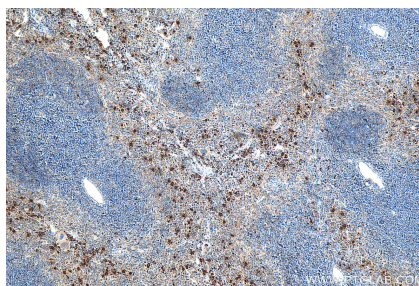
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

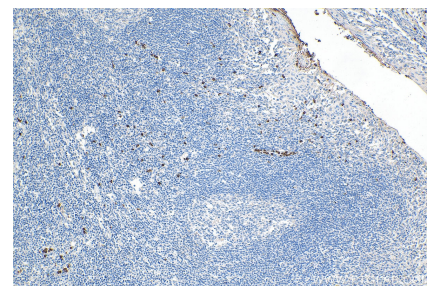
Selected Validation Data



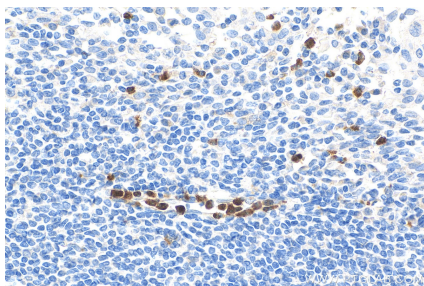
Various lysates were subjected to SDS PAGE followed by western blot with 12009-1-AP (CAMP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



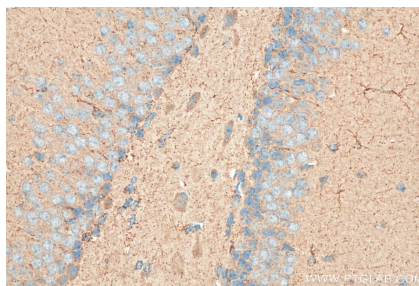
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 12009-1-AP (CAMP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



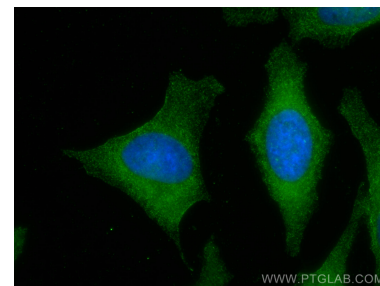
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12009-1-AP (CAMP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



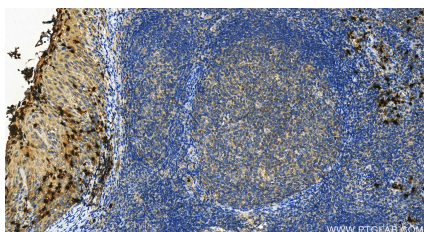
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12009-1-AP (CAMP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12009-1-AP (CAMP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CAMP antibody (12009-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12009-1-AP (CAMP antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).