

ARG54943 anti-Cathelicidin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cathelicidin
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cathelicidin
Species	Human
Immunogen	Synthetic peptide (17 aa) within aa. 50-100 of Human Cathelicidin.
Conjugation	Un-conjugated
Alternate Names	FALL39; CRAMP; HSD26; CAP18; 18 kDa cationic antimicrobial protein; FALL-39 peptide antibiotic; LL37; FALL-39; CAP-18; Cathelicidin antimicrobial peptide; hCAP-18

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	20 µg/ml
	IHC-P	Assay-dependent
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Spleen Tissue Lysate	

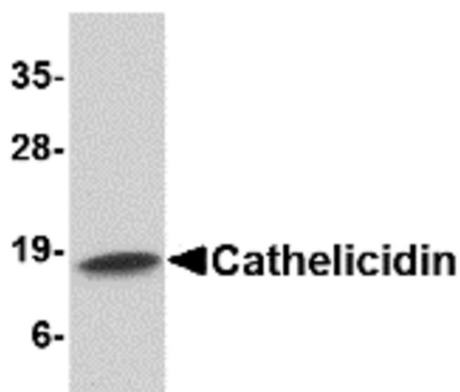
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

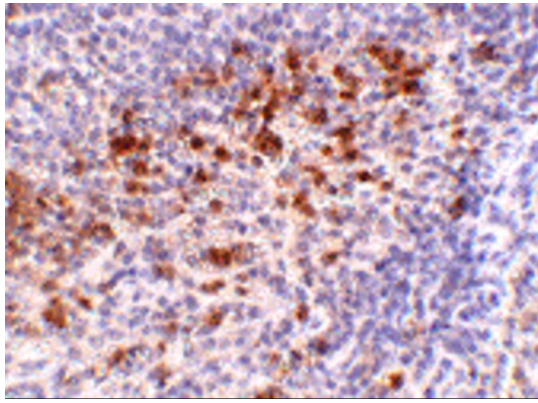
Database links	GeneID: 820 Human Swiss-port # P49913 Human
Gene Symbol	CAMP
Gene Full Name	cathelicidin antimicrobial peptide
Background	<p>Cathelicidin Antibody: One component of host defense at mucosal surfaces is epithelial-derived antimicrobial peptides. Cathelicidins are one family of antimicrobial peptides characterized by conserved pro-peptide sequences that have been identified in epithelial tissues and some myeloid cells of humans and animals. LL-37/hCAP-18 is the only Cathelicidin found in humans and is expressed in inflammatory and epithelial cells. The presence of these molecules is essential for defense against invasive bacterial infection in skin. Besides their direct antimicrobial function, Cathelicidins have multiple roles in mediating innate and adaptive immunity, such as endotoxin neutralizing, angiogenesis, wound healing and promoting neutrophil chemotaxis and mast cell recruitment. Finally, Cathelicidin antimicrobial peptides qualify as prototypes of innovative drugs that may be used to treat infection and/or modulate the immune response.</p>
Function	Binds to bacterial lipopolysaccharides (LPS), has antibacterial activity. [UniProt]
Research Area	Immune System antibody; Microbiology and Infectious Disease antibody
Calculated Mw	19 kDa
PTM	The N-terminus is blocked.
Cellular Localization	Secreted

Images



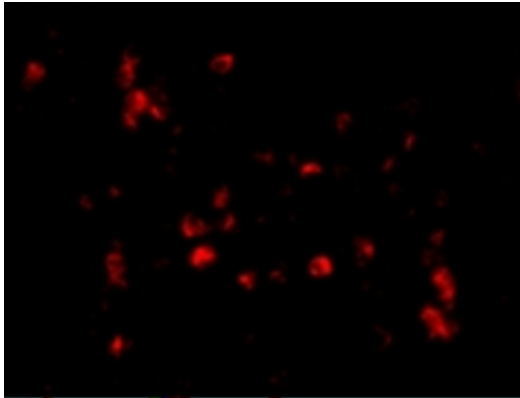
ARG54943 anti-Cathelicidin antibody WB image

Western blot: Human spleen tissue lysate stained with ARG54943 anti-Cathelicidin antibody at 1 µg/ml dilution.



ARG54943 anti-Cathelicidin antibody IHC image

Immunohistochemistry: Human spleen tissue stained with ARG54943 anti-Cathelicidin antibody at 5 μ g/ml dilution.



ARG54943 anti-Cathelicidin antibody ICC/IF image

Immunofluorescence: Human Spleen cells stained with ARG54943 anti-Cathelicidin antibody at 20 μ g/ml dilution.