Datasheet for ABIN499581

anti-Cathelicidin antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	Cathelicidin (CAMP)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathelicidin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Cathelicidin antibody was raised against a 17 amino acid peptide near the carboxy terminus of the Human Cathelicidin.
Isotype:	IgG
Specificity:	This antibody detects Cathelicidin.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	Cathelicidin (CAMP)
Alternative Name:	CAMP / CAP18 (CAMP Products)

Target Details

Background:	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.Synonyms: 18 kDa cationic antimicrobial protein, Antibacterial protein LL-37, CAP-18, Cathelicidin antimicrobial peptide, FALL-39, FALL39, HSD26, hCAP-18
Gene ID:	820
NCBI Accession:	NP_004336
UniProt:	P49913
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	ELISA. Western Blot: Cathelicidin antibody can be used for detection of Cathelicidin at 1 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

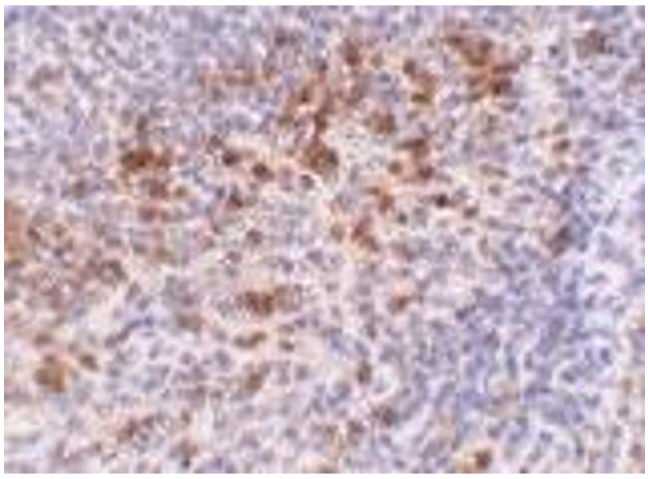
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Handling

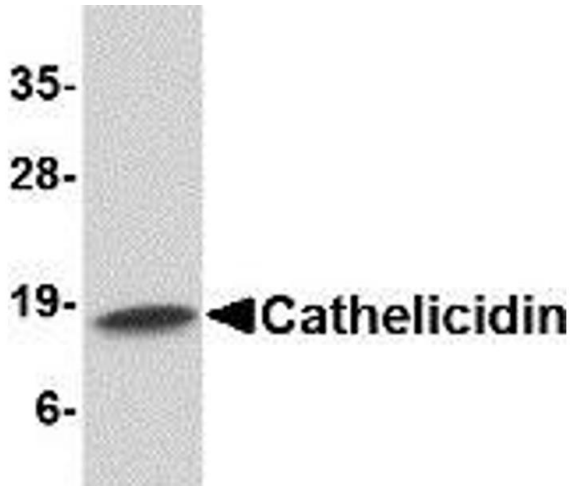
Storage Comment:	Store the antibody undiluted at 2-8 °C.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Catheli-cidin in human spleen tissue with Cathelicidin antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Cathelicidin in Human spleen tissue lysate with AP30207PU-N Cathelicidin antibody at 1 µg/ml.