

Cathelicidin Antibody

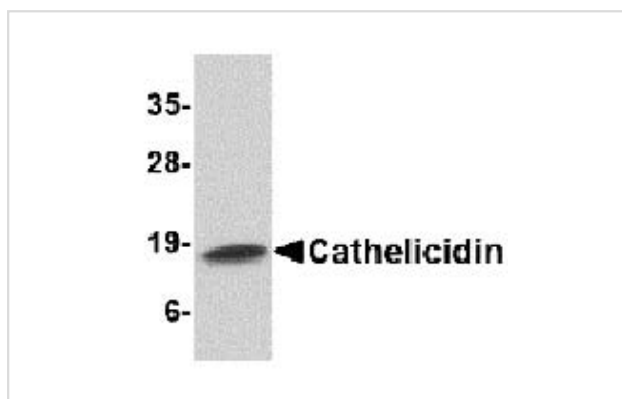
Catalog No: #24621

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

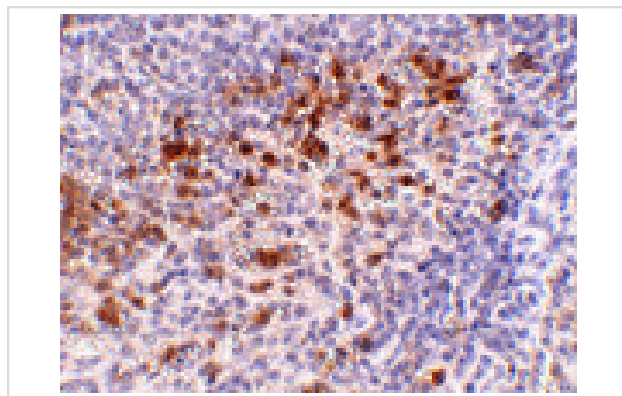
Description

Product Name	Cathelicidin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of the human Cathelicidin.
Target Name	Cathelicidin
Other Names	Cathelicidin, Cathelicidin antimicrobial peptide, Cationic antimicrobial protein, CAP18, FALL39, hCAP-18, HSD26, LL37
Accession No.	NP_004336
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Cathelicidin in Human spleen tissue lysate with Cathelicidin antibody at 1 ug/mL.



Immunohistochemistry of Cathelicidin in human spleen tissue with Cathelicidin antibody at 5 ug/mL.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.