
Cathelicidin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253814

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Cathelicidin; Cathelicidin antimicrobial peptide; Cationic antimicrobial protein; CAP18; FALL39; hCAP-18; HSD26; LL37

Accession No.: NP_004336

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Cathelicidin.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.