PAC419Hu02

Polyclonal Antibody to Cathelicidin Antimicrobial Peptide (CAMP)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: CAMP-OVA

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200μg/mL

UOM: 100μg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide, CAMP conjugated to OVA.

Accession No.: CPC419Hu21

Sequence: The target peptide sequence is listed below.

LLGDFFRKSKEKIGKEFKRIVQRIK

[RELEVANCE]

Cathelicidin-related antimicrobial peptides are a family of polypeptides found in lysosomes of macrophages and polymorphonuclear leukocytes (PMNs). Cathelicidins serve a critical role in mammalian innate immune defense against invasive bacterial infection. Members of the cathelicidin family of antimicrobial polypeptides are characterized by a highly conserved region (cathelin domain) and a highly variable cathelicidin peptide domain. Higher levels of human cathelicidin antimicrobial protein (hCAP18), which are up-regulated by vitamin D,

appear to significantly reduce the risk of death from infection in dialysis patients. Patients with a high level of this protein were 3.7 times more likely to survive kidney dialysis for a year without a fatal infection.

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against CAMP . It has been selected for its ability to recognize CAMP in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400
Immunocytochemistry in formalin fixed cells: 1:100-500
Immunohistochemistry in formalin fixed frozen section: 1:100-500
Immunohistochemistry in paraffin section: 1:50-200
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4^{o}C for frequent use. Stored at -20^{o}C to -80^{o}C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.