

Anti-Beta-Defensin Antibody

Catalog # AN2090

Specification

Anti-Beta-Defensin Antibody - Product Information

<u>P60022</u>
Rabbit
Rabbit Polyclonal
lgG
7420

Anti-Beta-Defensin Antibody - Additional Information

Gene ID 1672 Other Names DEFB1, BD1, Defensin beta 1 preproprotein, HBD

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Anti-Beta-Defensin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

Anti-Beta-Defensin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Beta-Defensin Antibody - Images

Anti-Beta-Defensin Antibody - Background

A novel, nonhemolytic antimicrobial peptide (human beta-defensin-3, hBD-3) was isolated from human lesional psoriatic scales and cloned from keratinocytes. hBD-3 demonstrated a salt-insensitive broad spectrum of potent antimicrobial activity against many potentially pathogenic microbes including multiresistant S. aureus and vancomycin-resistant Enterococcus faecium.



Keratinocytes and airway epithelial cells are cellular sources of hBD-3. Tumor necrosis factor alpha and contact with bacteria were found to induce hBD-3 mRNA expression. hBD-3 therefore might be important in the innate epithelial defense of infections by various microorganisms seen in skin and lung, such as cystic fibrosis.