

Goat Anti-BPI Antibody (internal region)

Purified Goat Polyclonal Antibody Catalog # AF4211a

Specification

Goat Anti-BPI Antibody (internal region) - Product Information

Application WB, E **Primary Accession** P17213 Other Accession NP 001716.2 Reactivity Human Predicted Human Host Goat Clonality **Polyclonal** Concentration 0.5

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Calculated MW 53900

Goat Anti-BPI Antibody (internal region) - Additional Information

Gene ID 671

Other Names

BPI; bactericidal/permeability-increasing protein; BPIFD1; rBPI; BPI fold containing family D, member 1; CAP 57; bactericidal permeability-increasing protein; recombinant BPI holoprotein, rBPI

Dilution

WB~~1:1000 E~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-KIPDYSDSFKIKH, from the internal region of the protein sequence according to NP_001716.2.

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

Goat Anti-BPI Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-BPI Antibody (internal region) - Protein Information

Name BPI



Function

The cytotoxic action of BPI is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope. Has antibacterial activity against the Gram-negative bacterium P.aeruginosa, this activity is inhibited by LPS from P.aeruginosa.

Cellular Location

Secreted. Cytoplasmic granule membrane Note=Membrane-associated in polymorphonuclear Leukocytes (PMN) granules.

Tissue Location

Restricted to cells of the myeloid series.

Goat Anti-BPI Antibody (internal region) - Protocols

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

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

Goat Anti-BPI Antibody (internal region) - Images



AF4211a (0.3 μ g/ml) staining of Human Bone Marrow lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-BPI Antibody (internal region) - References

A novel role for the bactericidal/permeability increasing protein in interactions of gram-negative bacterial outer membrane blebs with dendritic cells. Schultz H, Hume J, Zhang de S, Gioannini TL, Weiss JP. Journal of immunology (Baltimore, Md.: 1950) 2007 Aug 179 (4): 2477-84.