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Goat Anti-BPI Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4211a

Specification

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

Application	**WB**
Primary Accession	P17213
Other Accession	NP_001716.2
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
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

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
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-BPI Antibody (internal region) - Images



AF4211a (0.3 µg/ml) staining of Human Bone Marrow lysate (35 µg 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.