

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 Cytometry](#)
- [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.