

### **BPI Antibody (Center)**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9060c

## **Specification**

## **BPI Antibody (Center) - Product Information**

Application FC, IHC-P, WB,E

Primary Accession
Reactivity
Human
Host
Clonality
Isotype
Calculated MW
Antigen Region
P17213
Human
Rabbit
Polyclonal
Rabbit IgG
293-324

## **BPI Antibody (Center) - Additional Information**

#### Gene ID 671

### **Other Names**

Bactericidal permeability-increasing protein, BPI, CAP 57, BPI

# **Target/Specificity**

This BPI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-324 amino acids from the Central region of human BPI.

#### **Dilution**

FC~~1:10~50 IHC-P~~1:50~100 WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Storage

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

#### **Precautions**

BPI Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **BPI Antibody (Center) - Protein Information**

#### Name BPI





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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**

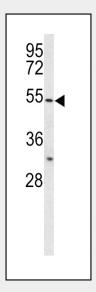
Restricted to cells of the myeloid series.

## **BPI Antibody (Center) - Protocols**

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

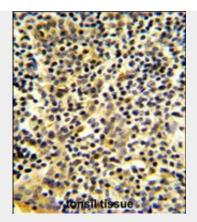
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **BPI Antibody (Center) - Images**

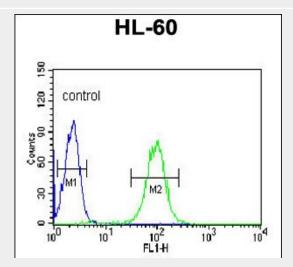


Western blot analysis of BPI Antibody (Center) (Cat. #AP9060c) in HL-60 cell line lysates (35ug/lane). BPI (arrow) was detected using the purified Pab.





Formalin-fixed and paraffin-embedded human tonsil tissue reacted with BPI Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



BPI Antibody (Center) (Cat. #AP9060c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## **BPI Antibody (Center) - Background**

BPI encodes a lipopolysaccharide binding protein. It is associated with human neutrophil granules and has bactericidal activity on gram-negative organisms.

# **BPI Antibody (Center) - References**

Davila, S., et.al., Genes Immun. (2010) In press Guey, L.T., et.al., Eur. Urol. 57 (2), 283-292 (2010)