

## BPI polyclonal antibody

Catalog: BS90144

Host: Rabbit

Reactivity: Human, zebrafish

### BackGround:

The bactericidal permeability increasing protein (BPI) is an antibacterial and endotoxin-neutralizing molecule that is abundant in the granules of polymorphonuclear leukocytes (neutrophil granules). The 31.5-kb-long human BPI gene maps to chromosome 20q11.23-q12, contains 15 exons, and encodes a 456 amino acid protein. Epithelial cells which line mucosal surfaces are the first line of defense against bacterial invasion and infection. BPI localizes to the cell surface of epithelial cells and blocks endotoxin-mediated signaling, thereby protecting mucosal surfaces against gram-negative bacteria and their endotoxin. BPI, lipopolysaccharide binding protein (LBP), phospholipid transfer protein (PLTP), and cholesteryl ester transfer protein (CETP) constitutes a family of functionally related proteins.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

57 kDa

### Swiss-Prot:

P17213(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

FC:1:50-1:100

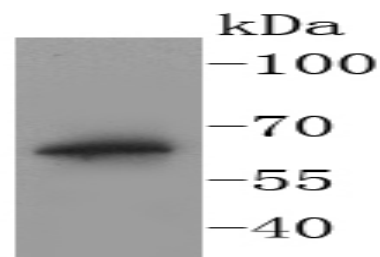
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

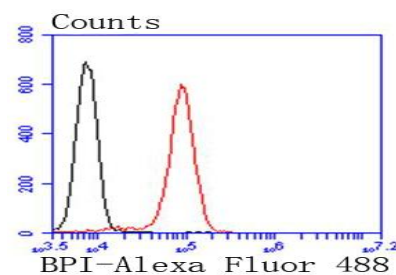
### Specificity:

BPI polyclonal antibody detects endogenous levels of BPI protein.

### DATA:



Western blot analysis of BPI on THP-1 cells lysates using anti-BPI antibody at 1/1,000 dilution.



Flow cytometric analysis of Jurkat cells with BPI antibody at 1/50 dilution compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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