

# Recombinant Anti-BPI Rabbit mAb

Catalog # AP94960

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, FC, IF/IC          |
| Primary Accession | <a href="#">P17213</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 53900                  |

## Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 671                                                                                                                   |
| Other Names        | Bactericidal permeability-increasing protein; BPI; CAP 57                                                             |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within human BPI protein. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A                                                                        |
| Format             | Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.                                                 |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                             |

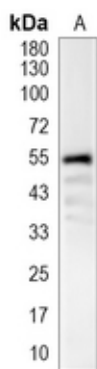
## Protein Information

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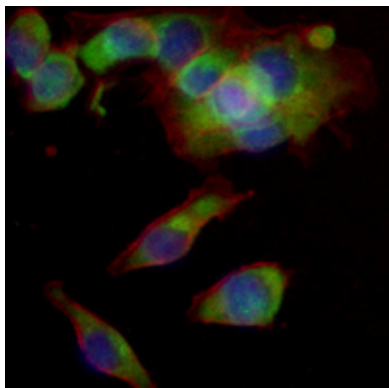
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <i>P.aeruginosa</i> , this activity is inhibited by LPS from <i>P.aeruginosa</i> . |
| Cellular Location | Secreted. Cytoplasmic granule membrane Note=Membrane-associated in polymorphonuclear Leukocytes (PMN) granules.                                                                                                                                                                                                                                                                                                                            |
| Tissue Location   | Restricted to cells of the myeloid series.                                                                                                                                                                                                                                                                                                                                                                                                 |

## Images

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Western blot analysis of BPI expression in THP1 (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunofluorescent analysis of BPI staining in THP1 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.