

Rabbit anti-Human, Rat BPI Polyclonal Antibody | anti-BPI antibody

BPI Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326985	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

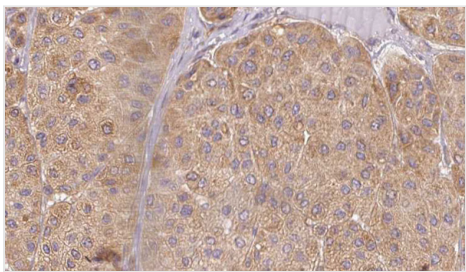
PRODUCT SYNONYMS

BPI; Polyclonal Antibody; BPI Antibody; Bactericidal permeability-increasing protein; bactericidal/permeability-increasing protein; BPI fold containing family D; member 1; BPIFD1; CAP 57; rBPI; recombinant BPI holoprotein; anti-BPI antibody

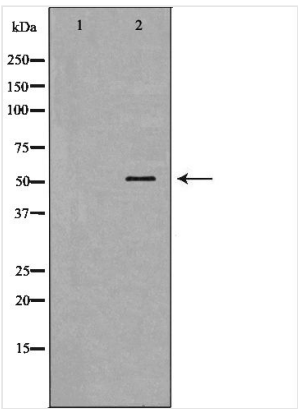
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BPI antibody detects endogenous levels of total BPI
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	487
Applicable Applications for anti-BPI antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BPI
Subcellular Location	Secreted. Cytoplasmic Granule Membrane. Membrane-associated in polymorphonuclear Leukocytes (PMN) granules.
Tissue Specificity	Restricted to cells of the myeloid series.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326985 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hepg2 whole cell lysates, using BPI Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BPI antibody	Description: This gene encodes a lipopolysaccharide binding protein. It is associated with human neutrophil granules and has bactericidal activity on gram-negative organisms. 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>. Subunit Structure: Monomer. Homodimer; disulfide-linked. Similarity: The N-terminal region may be exposed to the interior of the granule, whereas the C-terminal portion may be embedded in the membrane. During phagocytosis and degranulation, proteases may be released and activated and cleave BPI at the junction of the N-and C-terminal portions of the molecule, providing controlled release of the N-terminal antibacterial fragment when bacteria are ingested. The N-and C-terminal barrels adopt an identical fold despite having only 13% of conserved residues. Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157276599
NCBI GeneID	671
NCBI Accession #	NP_001716.2
NCBI GenBank Nucleotide #	NM_001725.2
UniProt Accession #	P17213; Q1ZZU8; Q5JRW0; Q8IW58; Q9BYZ9; Q9H1L2; Q9H1M8; Q9H203; Q9UCT4; Q9UD65; B2RCY2
Molecular Weight	Observed: 54 kDa Predicted: 54 kDa
NCBI Official Full Name	bactericidal permeability-increasing protein
NCBI Official Synonym Full Names	bactericidal permeability increasing protein
NCBI Official Symbol	BPI
NCBI Official Synonym Symbols	rBPI; BPIFD1
NCBI Protein Information	bactericidal permeability-increasing protein
UniProt Protein Name	Bactericidal permeability-increasing protein
UniProt Gene Name	BPI
UniProt Synonym Gene Names	BPI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bpi-antibody-immunohistochemistry-western-blot-elisa/326985>