

bs-9892R**[Primary Antibody]**

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BPI Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 671	SWISS: P17213	IHC-F (1:100-500)
Target: BPI		IF (1:50-200)
Immunogen: KLH conjugated synthetic peptide derived from human CAP57: 1-100/487.		ELISA (1:5000-10000)
Purification: affinity purified by Protein A		Reactivity: (predicted: Human)
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 51 kDa
Background: The antimicrobial protein Bactericidal Permeability Increasing protein (BPI) is a 55 kDa protein found in the primary granules of polymorphonuclear leukocytes (PMN). The cytotoxicity action of BPI is limited to gram negative bacteria, reflecting the high affinity of BPI for bacterial LPS. Binding of BPI to live bacteria via LPS causes anti-infective activities: 1) cytotoxicity via sequential damage to bacterial outer and inner lipid membranes, 2) neutralization of gram-negative bacterial LPS, 3) opsonization of bacteria to enhance phagocytosis by neutrophils.		Subcellular Location: Secreted ,Cell membrane ,Cytoplasm