Anti-BPI antibody

Cat. No.	ml221995
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-BPI rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human BPI
Reactivity	Human
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	BPI
Full name	bactericidal/permeability-increasing protein
Synonyms	rBPI; BPIFD1
Swissprot	P17213

Target Background

This gene encodes a lipopolysaccharide binding protein. It is associated with human neutrophil granules and has bactericidal activity on gram-negative organisms. 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-nagative bacterium P.aeruginosa, this activity is inhibited by LPS from P.aeruginosa.
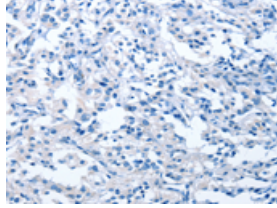
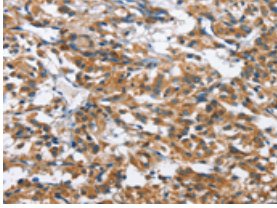## Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200

Predicted cell location: Cytoplasm

Positive control: Human liver cancer
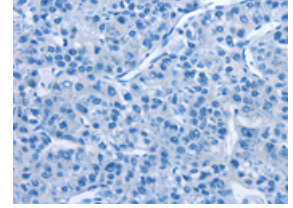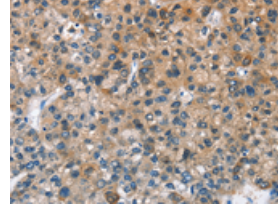
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221995(BPI Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml221995(BPI Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 1000-5000

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