

**Anti-Lysozyme Picoband Antibody**  
Catalog # ABO12349**Specification**

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**Anti-Lysozyme Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P61626</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Lysozyme C (LYZ) detection. Tested with WB, IHC-P in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Lysozyme Picoband Antibody - Additional Information**

**Gene ID** 4069

**Other Names**

Lysozyme C, 3.2.1.17, 1, 4-beta-N-acetylmuramidase C, LYZ, LZM

**Calculated MW**

16537 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br><br>Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Secreted.

**Protein Name**

Lysozyme C

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human Lysozyme (106-141aa NIADAVACAKRVVRDPQGIRAWVAWRNRCQNRDVRQ).

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

## Anti-Lysozyme Picoband Antibody - Protein Information

**Name** LYZ

**Synonyms** LZM

### Function

Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents.

### Cellular Location

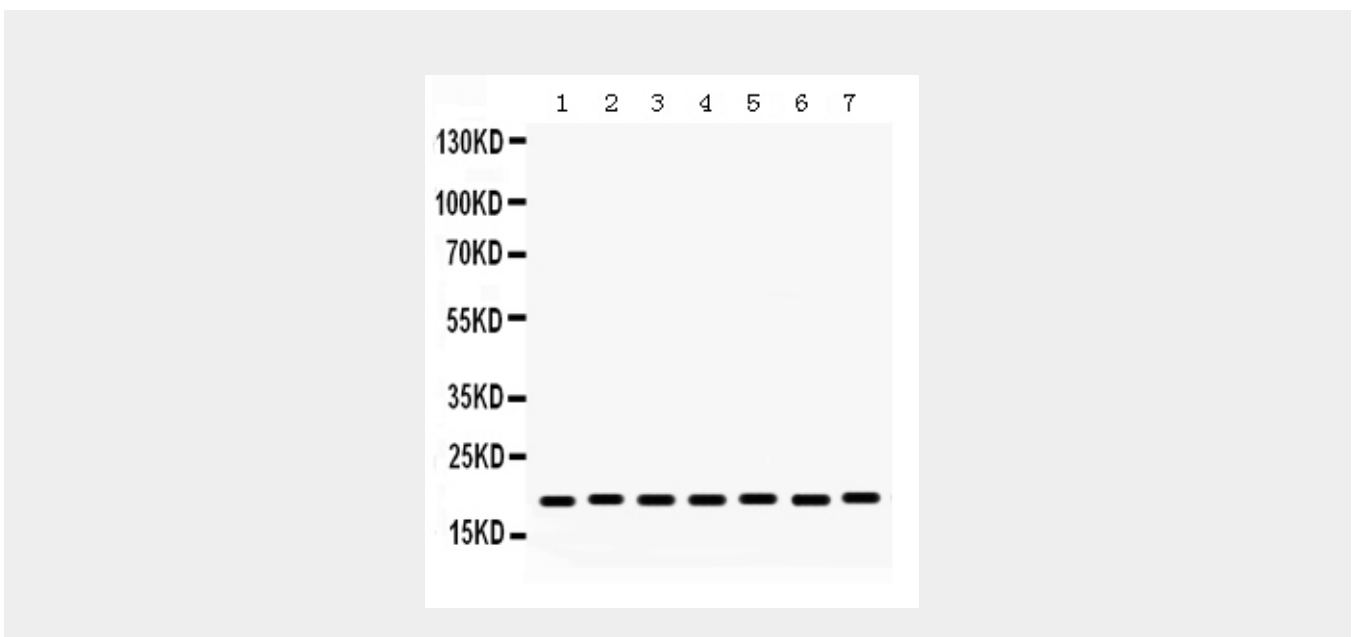
Secreted.

## Anti-Lysozyme Picoband Antibody - Protocols

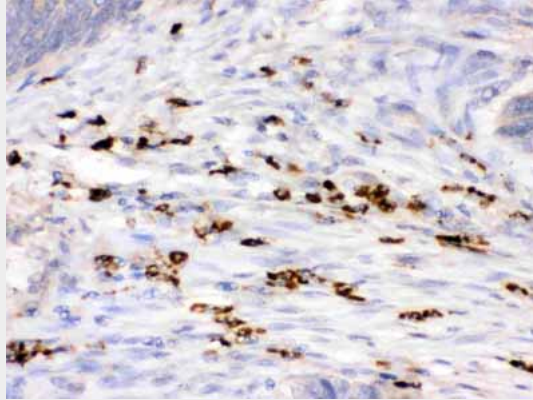
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Lysozyme Picoband Antibody - Images



Anti- Lysozyme Picoband antibody, ABO12349, Western blotting All lanes: Anti Lysozyme (ABO12349) at 0.5ug/ml Lane 1: Rat Intestine Tissue Lysate at 50ug Lane 2: Rat Kidney Tissue Lysate at 50ug Lane 3: Rat Liver Tissue Lysate at 50ug Lane 4: HELA Whole Cell Lysate at 40ug Lane 5: SW620 Whole Cell Lysate at 40ug Lane 6: 293T Whole Cell Lysate at 40ug Lane 7: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 17KD Observed bind size: 17KD



Anti- Lysozyme Picoband antibody, ABO12349, IHC(P) IHC(P): Human Intestinal Cancer Tissue

### **Anti-Lysozyme Picoband Antibody - Background**

In humans, the lysozyme enzyme is encoded by the LYZ gene. This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta [1-4] glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the antimicrobial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. The protein has antibacterial activity against a number of bacterial species. Missense mutations in this gene have been identified in heritable renal amyloidosis.