

Datasheet for ABIN3043465  
**anti-LYZ antibody (C-Term)**



[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µg
Target:	LYZ
Binding Specificity:	AA 106-141, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Lysozyme C(LYZ) detection. Tested with WB, IHC-P in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Lysozyme (106-141aa NIADAVACAKRVVRDPQGIRAWVAWRNRCQNRDVRQ).
Sequence:	NIADAVACAK RVVRDPQGIR AWWAWRNRCQ NRDVRQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Lysozyme C(LYZ) detection. Tested with WB, IHC-P in Human,Rat. Gene Name: lysozyme Protein Name: Lysozyme C
Purification:	Immunogen affinity purified.

## Target Details

---

Target:	LYZ
Alternative Name:	LYZ ( <a href="#">LYZ Products</a> )
Background:	<p>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.</p> <p>Synonyms: 1 4 beta n acetylmuramidase c antibody 1 antibody 4-beta-N-acetylmuramidase C antibody EC 3.2.1.17 antibody LYSC_HUMAN antibody  Lysosyme antibody Lysozyme (renal amyloidosis) antibody Lysozyme C antibody Lysozyme C precursor antibody Lyz antibody LZM antibody  Renal amyloidosis antibody</p>
Gene ID:	4069
UniProt:	<a href="#">P61626</a>

## Application Details

---

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

## Handling

---

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

## Handling

---

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.

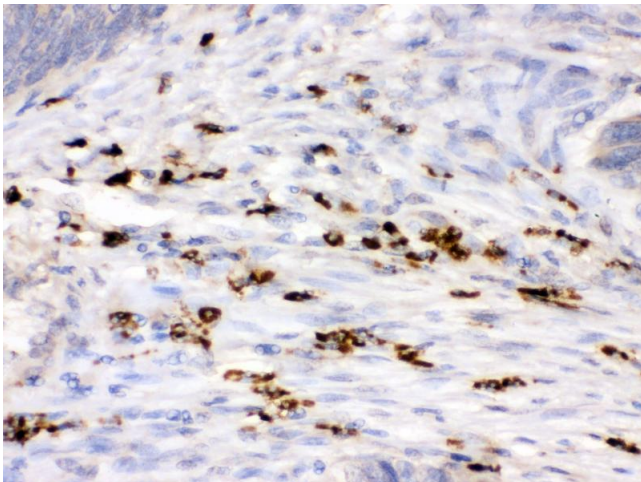
## Publications

---

Product cited in:	Xu, Liu, Liu, Han, Zhang, Zhao: "Dynamic changes and mechanism of intestinal endotoxemia in partially hepatectomized rats." in: <b>World journal of gastroenterology</b> , Vol. 13, Issue 26, pp. 3592-7, (2007) ( <a href="#">PubMed</a> ).
-------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

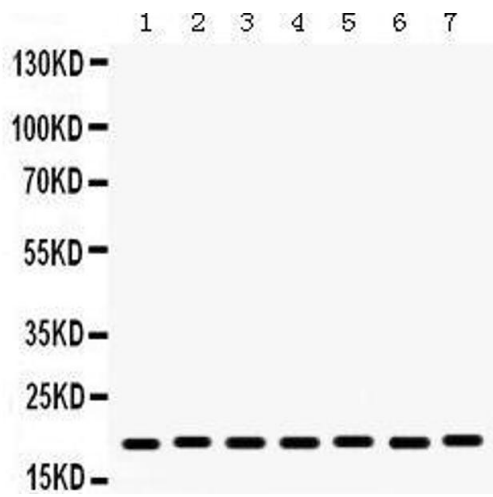
## Images

---



### Immunohistochemistry

**Image 1.** Anti- Lysozyme Picoband antibody, IHC(P) IHC(P):  
Human Intestinal Cancer Tissue



**Western Blotting**

Image 2.