

# Lysozyme Polyclonal antibody

Catalog Number: 15013-1-AP

11 Publications

## Basic Information

<b>Catalog Number:</b> 15013-1-AP	<b>GenBank Accession Number:</b> BC004147	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 4069	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P61626	
<b>Isotype:</b> IgG	<b>Full Name:</b> lysozyme (renal amyloidosis)	
<b>Immunogen Catalog Number:</b> AG6917	<b>Calculated MW:</b> 17 kDa	
	<b>Observed MW:</b> 15-17 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
WB, IF

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** THP-1 cells, mouse lung tissue, human spleen tissue, HL-60 cells

**IHC:** mouse heart tissue,

## Background Information

LYZ (Lysozyme C) is also named as LZM and belongs to the glycosyl hydrolase 22 family. It catalyzes the hydrolysis of the bacterial cell wall beta(1-4) glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine. In tissues and body fluids this protein is associated with the monocyte-macrophage system and enhance the activity of immunoagents. LYZ is capable of both hydrolysis and transglycosylation; it shows also a slight esterase activity. Defects in LYZ are a cause of amyloidosis type 8 (AMYL8). The full length protein has a signal peptide with 18 amino acid.

## Notable Publications

Author	Pubmed ID	Journal	Application
Brittany R Jenkins	34042222	FASEB J	WB
Chunjun Li	35510340	J Food Biochem	WB
Yuwei Yang	30902745	J Ethnopharmacol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

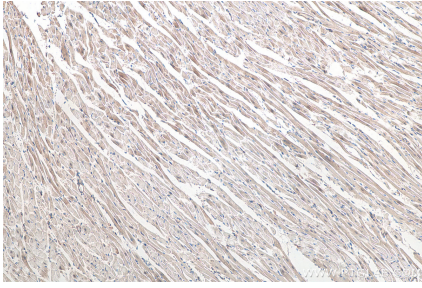
T: 4006900926

E: Proteintech-CN@ptglab.com

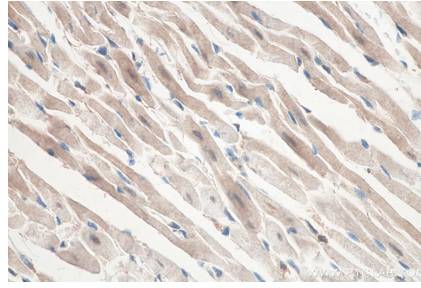
W: ptgcn.com

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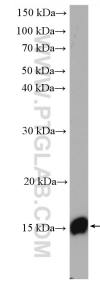
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15013-1-AP (Lysozyme antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15013-1-AP (Lysozyme antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



THP-1 cells were subjected to SDS PAGE followed by western blot with 15013-1-AP (Lysozyme antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.