For Research Use Only

Lysozyme Polyclonal antibody

Catalog Number:15013-1-AP 15 Publications

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Basic Information

Catalog Number:
15013-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6917

GenBank Accession Number:
BC004147

GeneID (NCBI):
4069

UNIPROT ID:
P61626

Full Name:
lysozyme (renal amyloidosis)

Calculated MW:
17 kDa

Observed MW:
15-17 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:200-1:800

Applications

Tested Applications:
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

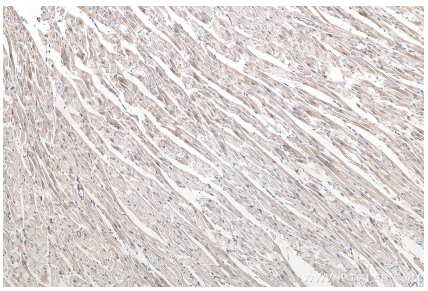
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

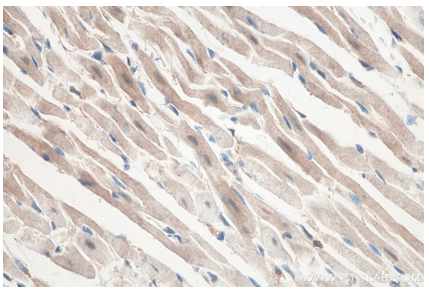
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

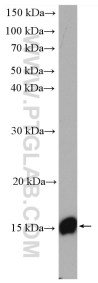
Selected Validation Data



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.