

Rabbit Lysozyme Polyclonal Antibody | anti-LYZ antibody

Lysozyme antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75005	Rabbit	Chicken lysozyme	Immunohistochemistry, Western Blot, Immunoprecipitation, ELISA

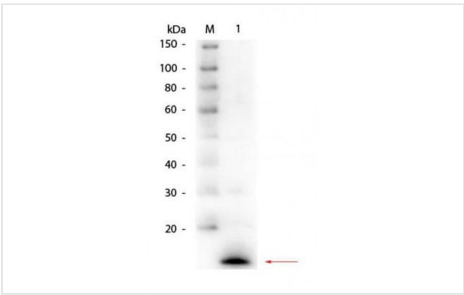
PRODUCT SYNONYMS

Lysozyme; Polyclonal Antibody; Lysozyme antibody; Polyclonal Lysozyme; Anti-Lysozyme; EC 3.2.1.17; Lyz; 1 4 beta n acetylmuramidase c; LZM; Lysozyme C precursor; lysosome; Lysozyme C; anti-LYZ antibody

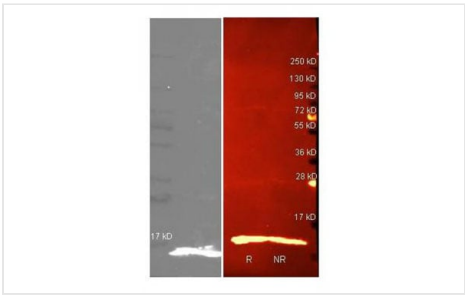
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Chicken lysozyme
Clonality	Polyclonal
Specificity	Chicken lysozyme
Purity/Purification	Lysozyme antibody was purified by delipidation, salt fractionation and ion exchange chromatography followed by dialysis.
Form/Format	Liquid in 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, with 0.01% Sodium Azide
Sequence Length	148
Applicable Applications for anti-LYZ antibody	IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation), ELISA
Biological Significance	Lysozyme is a relatively small (129 AA) secretory enzyme that catalyzes the hydrolysis of beta-1,4 glucosidic linkages between N-acetylmuramic acid (NAM) and N-acetylglucosamine (NAG) comprising the cell walls of bacteria and to a lesser degree chitin oligomers. Lysozyme is common in animals and plants. In birds, lysozyme is also an exceptionally abundant protein in egg whites. Its biological function in fowl eggs is unclear. Hen egg white lysozyme "c" is the most commonly studied form and source of the enzyme.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	Lysozyme antibody was raised in rabbit using full length protein corresponding to amino acids 1-129 of Hen Egg White lysozyme as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage and at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western Blot of Lysozyme (Hen Egg White) antibody. Lane 1: Lysozyme (Hen Egg White). Load: 50 ng per lane. Lysozyme (Hen Egg White) antibody at 1:1,000 overnight at 4 deg C. HRP rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: Blocking buffer for 30 min at RT. Size: 4.9 kDa, 4.9 kDa for Lysozyme (Hen Egg White).



WB (Western Blot)
Western Blot of Lysozyme antibody. (Left Blot-grey) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Load: 0.5 ug per lane. Biotin Conjugated Rabbit anti Lysozyme antibody at 1:5000 for overnight at 4 deg C. Dylight 488 conjugated Streptavidin at 1:5,000 with Atto 425 conjugated Goat anti rabbit secondary antibody at 1:10,000 for 1.5 hrs at RT. (Right Blot-red) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Dylight 488 conjugated Streptavidin at 1:5,000 with Dylight 549 conjugated secondary antibody at 1:10,000 for 1.5 hrs at RT. Block: Blocking buffer overnight at 4 deg C. Size: 4.9kDa, 5kDa for Lysozyme..

ADDITIONAL INFORMATION

Related Product Information for anti-LYZ antibody	Rabbit polyclonal Lysozyme antibody
Product Categories/Family for anti-LYZ antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	307142
NCBI GeneID	4069
UniProt Accession #	P61626; P00695; Q13170; Q9UCF8
Molecular Weight	16,537 Da
NCBI Official Full Name	lysozyme (EC 3.2.1.17)
NCBI Official Synonym Full Names	lysozyme
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LZM
NCBI Protein Information	lysozyme C
UniProt Protein Name	Lysozyme C
UniProt Gene Name	LYZ
UniProt Synonym Gene Names	LZM
UniProt Entry Name	LYSC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.