

## Rabbit LYZ Polyclonal Antibody | anti-LYZ antibody

LYZ antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                                                                                                            | APPLICATIONS                       |
|-----------|--------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| AAA201005 | Rabbit | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep | Immunohistochemistry, Western Blot |

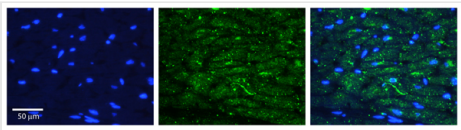
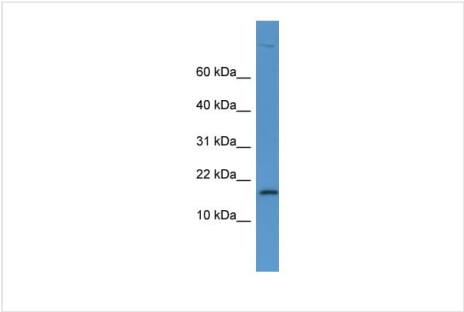
### PRODUCT SYNONYMS

LYZ; Polyclonal Antibody; LYZ antibody - N-terminal region; anti-LYZ antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                    |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                             |
| Reactivity                                    | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep              |
| Clonality                                     | Polyclonal                                                                                                                                         |
| Purity/Purification                           | Affinity Purified                                                                                                                                  |
| Form/Format                                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                  |
| Concentration                                 | 0.5 mg/ml (varies by lot)                                                                                                                          |
| Sequence                                      | Synthetic peptide located within the following region: CL AKWESGYNTR ATNYNAGDRS TDYGIFQINS<br>RYWCNDGKTP GAVNACHL                                  |
| Sequence Length                               | 148                                                                                                                                                |
| Applicable Applications for anti-LYZ antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                      |
| Homology                                      | Cow: 93%; Dog: 79%; Goat: 93%; Guinea Pig: 86%; Horse: 79%; Human: 100%; Mouse: 93%; Rabbit: 86%; Rat: 93%; Sheep: 93%                             |
| Immunogen                                     | The immunogen is a synthetic peptide directed towards the N terminal region of human LYZ                                                           |
| Protein Size (# AA)                           | 148 amino acids                                                                                                                                    |
| Blocking Peptide                              | For anti-LYZ antibody is Catalog #                                                                                                                 |
| Protein Interactions                          | TP53; FUS; NEDD1; CEP57; AURKA; STAU1; SMAD6; UBC; GRK5; CRK; CLU; COPS6; CUL4B; CDK2; PARP11; USP25; USP1; LCN1; LTF; ELN; A2M; LRRK1; NME2; KHK; |
| Preparation and Storage                       | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.            |

IMAGES



**IHC (Immunohistochemistry)**  
Rabbit Anti-LYZ AntibodyFormalin Fixed Paraffin Embedded Tissue: Human heart  
TissueObserved Staining: Plasma membranePrimary Antibody Concentration: 1:100Other  
Working Concentrations: N/ASecondary Antibody: Donkey anti-Rabbit-Cy3Secondary  
Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

**WB (Western Blot)**  
WB Suggested Anti-LYZ Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control:  
Human heart

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LYZ antibody | Target Description: LYZ is a 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 anti-microbial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. Missense mutations in LYZ have been identified in heritable renal amyloidosis. |
| Product Categories/Family for anti-LYZ antibody   | Polyclonal; Signaling Intermediate; Cell Biology; Developmental Biology; Microbiology                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |            |
|----------------------------------|------------|
| NCBI GI #                        | 4557894    |
| NCBI GeneID                      | 4069       |
| NCBI Accession #                 | NP_000230  |
| NCBI GenBank Nucleotide #        | NM_000239  |
| UniProt Accession #              | P61626     |
| Molecular Weight                 | 15kDa      |
| NCBI Official Full Name          | lysozyme C |
| NCBI Official Synonym Full Names | lysozyme   |
| NCBI Official Symbol             | LYZ        |
| NCBI Official Synonym Symbols    | LZM; LYZF1 |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lyz-antibody-immunohistochemistry-western-blot-elisa/201005>