

## Product datasheet for **TA397006**

### LYZ Rabbit Polyclonal Antibody

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Applications:          | ELISA, IHC, IP, WB  |
| Recommended Dilution:  | <b>WB:</b> 1:1,000 - 1:5,000<br><b>IHC:</b> 1:500 - 1:2,500<br><b>ELISA:</b> 1:10,000   |
| Host:                  | Rabbit  |
| Clonality:             | Polyclonal  |
| Immunogen:             | Anti-Lysozyme Antibody was produced by repeated immunizations with hen egg white Lysozyme protein.  |
| Specificity:           | Anti-Lysozyme Antibody is an IgG fraction purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Lysozyme [Hen Egg White]. Cross reactivity against Lysozyme from other tissues and species may occur but have not been specifically determined. |
| Formulation:           | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  |
| Reconstitution Method: | Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL  |
| Concentration:         | 1.0 mg/mL - lot specific  |
| Conjugation:           | HRP   |
| Storage:               | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.   |
| Stability:             | Expiration date is one (1) year from date of receipt.   |
| Gene Name:             | lysozyme (renal amyloidosis)  |
| Database Link:         | <a href="#">P00698</a>  |



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- Background:** Anti-Lysozyme Antibody detects lysozyme. Lysozyme belongs to the glycoside hydrolases enzymes that damage bacterial cell walls by catalyzing hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Lysozyme is abundant in a number of secretions, such as tears, saliva, human milk, and mucus. It is also present in cytoplasmic granules of the polymorphonuclear neutrophils. Large amounts of lysozyme can be found in egg white. Anti-Lysozyme Antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.
- Synonyms:** rabbit anti-Lysozyme Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Lysozyme Antibody, 1 4 beta n acetylmuramidase c antibody, EC 3.2.1.17 antibody, LYZ antibody, Lysozyme C antibody, Lysozyme C precursor antibody, LZM antibody, Hen Egg White
- Note:** Anti-Lysozyme Peroxidase Conjugate Antibody has been tested by western blotting and ELISA and is suitable for IP. Researchers should determine optimal titers for applications that are not stated below.

### Product images:



Western Blot of Rabbit anti-Lysozyme antibody. (Left Blot-grey) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. (Right Blot-red) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Load: ~1 ug per lane. Primary antibody: Biotin Conjugated Rabbit anti Lysozyme antibody at 1:5000 for overnight at 4°C. Secondary antibody: 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: MB-070 overnight at 4°C. Predicted/Observed size: 4.9kDa, 5kDa for Lysozyme. Other band(s): none.