

**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody**  
**Catalog # ABO13924****Specification**

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**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IF, ICC, IP   |
| Primary Accession | <a href="#">P61626</a> |
| Host              | Rabbit                 |
| Isotype           | Rabbit IgG             |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-Lysozyme LYZ Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 4069

**Other Names**

Lysozyme C, 3.2.1.17, 1, 4-beta-N-acetylmuramidase C, LYZ, LZM

**Calculated MW**

16537 MW KDa

**Application Details**

WB 1:5000-1:10000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:20

**Subcellular Localization**

Secreted.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Lysozyme

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Protein Information**

**Name** LYZ

**Synonyms** LZM

**Function**

Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents.

**Cellular Location**

Secreted.

**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Images**

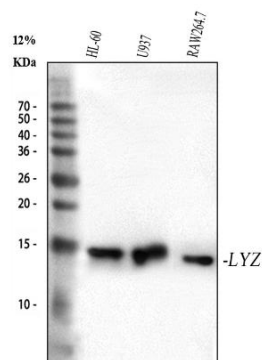


Figure 1. Western blot analysis of Lysozyme using anti-Lysozyme antibody (M01811). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

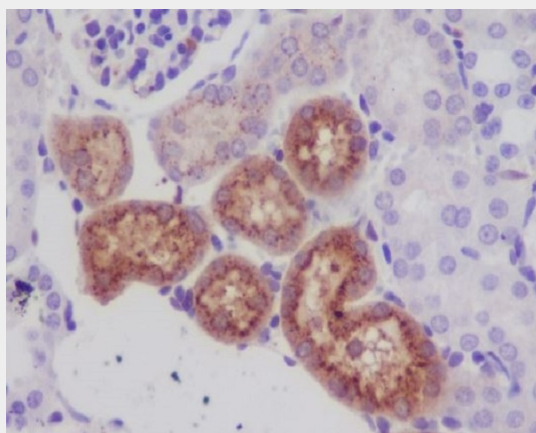
Lane 1: human HL-60 whole cell lysates,

Lane 2: human U937 whole cell lysates,

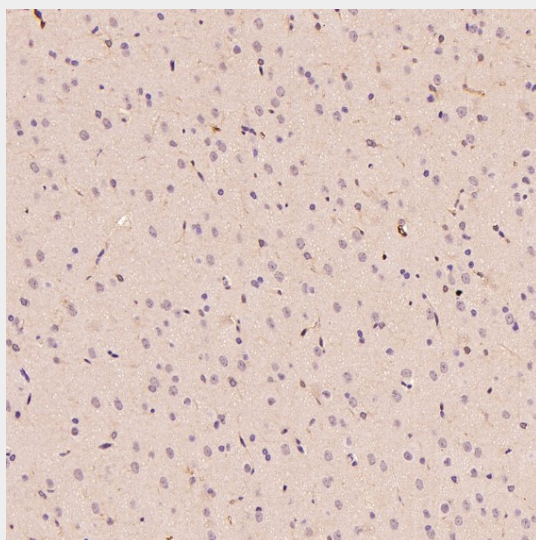
Lane 3: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Lysozyme antigen affinity purified monoclonal antibody (Catalog # M01811) at 1:5000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes

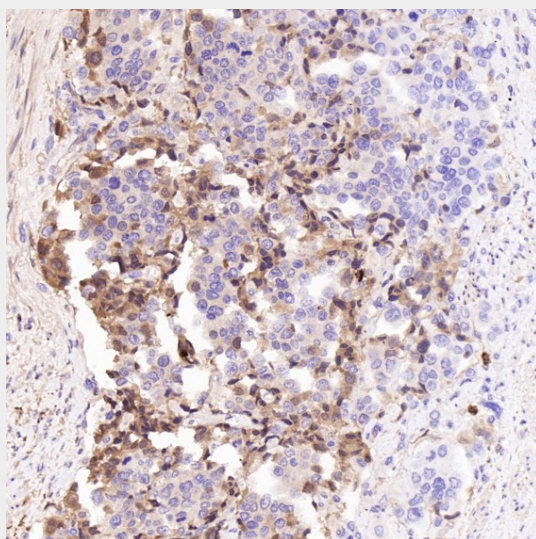
each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Lysozyme at approximately 15 kDa. The expected band size for Lysozyme is at 17 kDa.



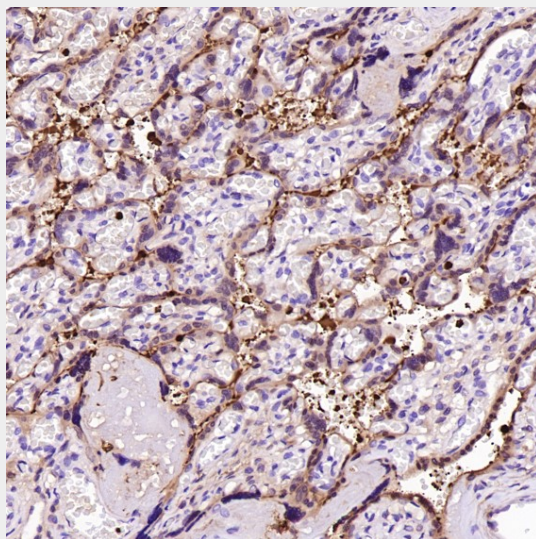
Immunohistochemical analysis of paraffin-embedded mouse kidney, using Lysozyme Antibody.



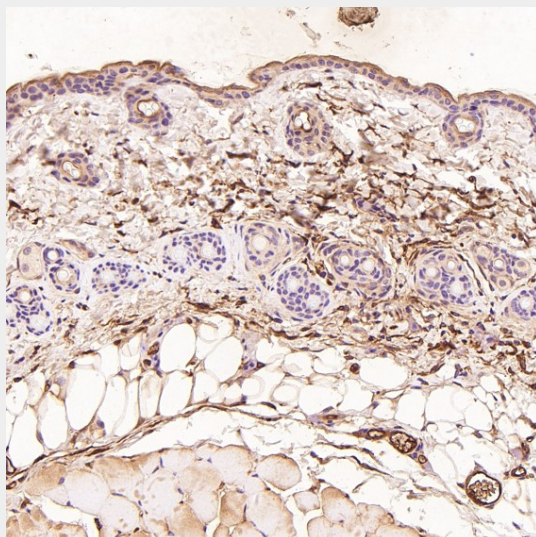
Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:2000 dilution.



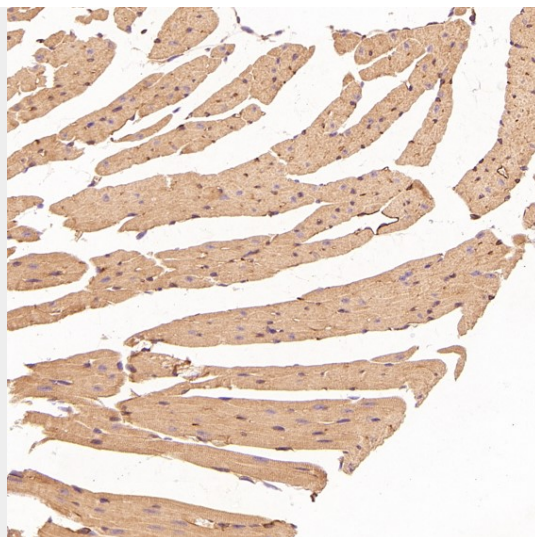
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:4000 dilution.



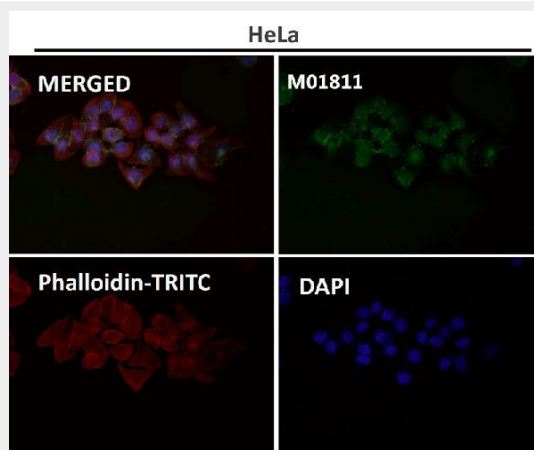
Immunohistochemical analysis of paraffin-embedded Human placenta, using the Antibody at 1:4000 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:2000 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse heart, using the Antibody at 1:2000 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.