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Anti-Lysozyme LYZ Rabbit Monoclonal Antibody
Catalog # ABO13924

Specification

Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, IP**
Primary Accession	P61626
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
IHC 1:50-1:200
ICC/IF 1:50-1:200
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 Cytomety
- Cell Culture

Anti-Lysozyme LYZ Rabbit Monoclonal Antibody - Images

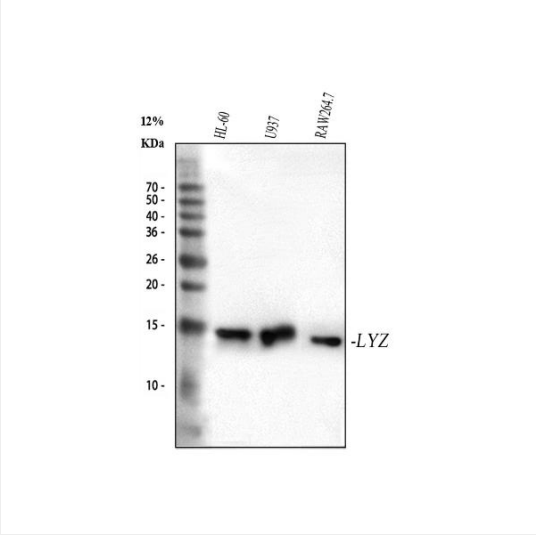
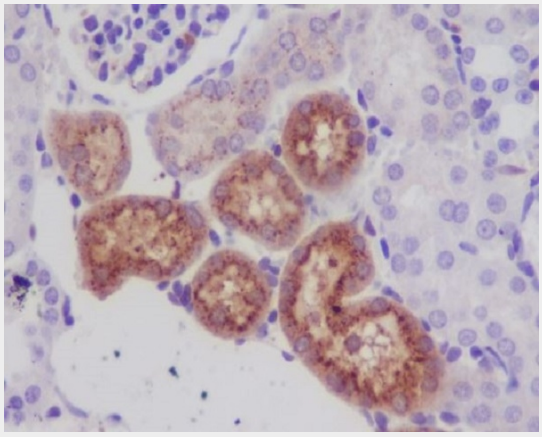
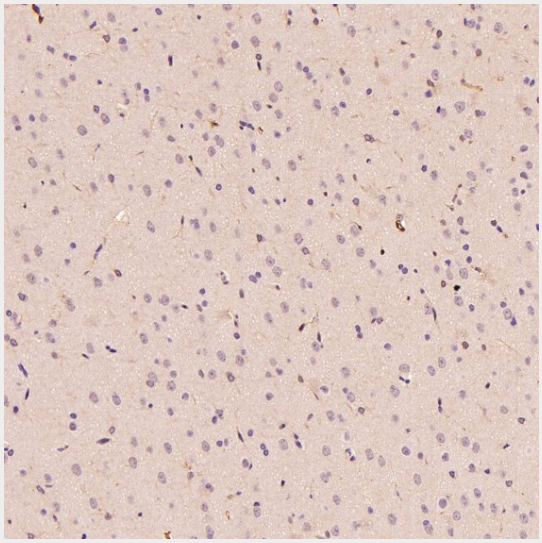


Figure 1. Western blot analysis of Lysozyme using anti-Lysozyme antibody (M01811).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HL-60 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

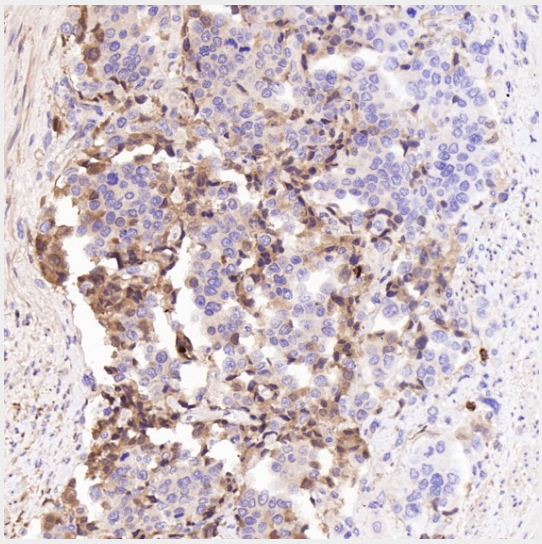
each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Lysozyme at approximately 15 kDa. The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



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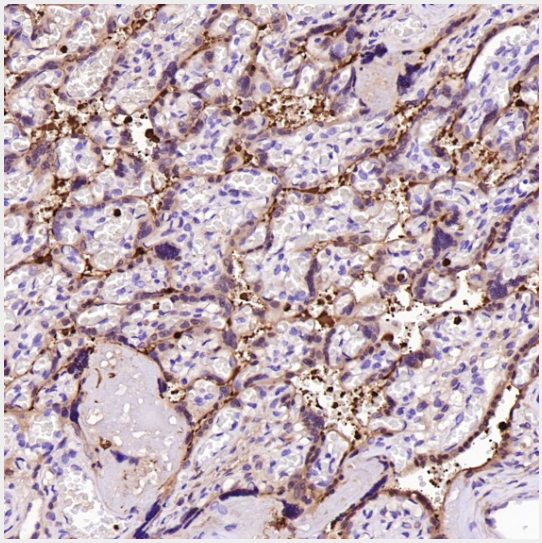
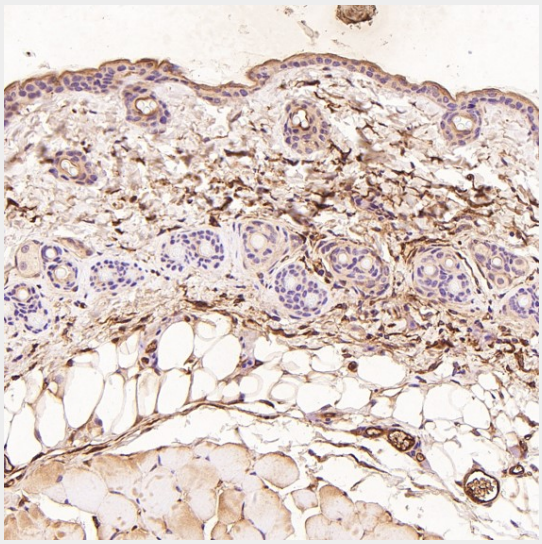
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:4000 dilution.



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.

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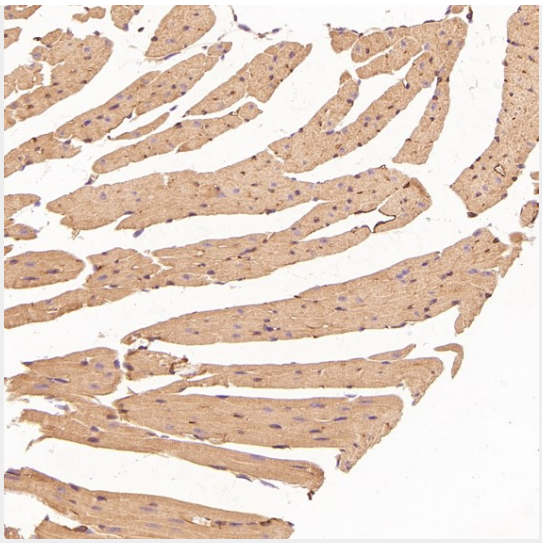
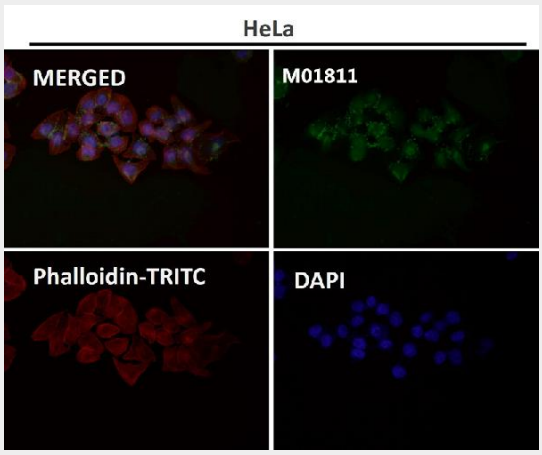


Immunohistochemical analysis of paraffin-embedded Mouse heart, using the Antibody at 1:2000 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.