

Anti-Lysozyme LYZ Rabbit Monoclonal Antibody

Catalog # ABO13924

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.

Additional Information

Gene ID	4069
Other Names	Lysozyme C, 3.2.1.17, 1, 4-beta-N-acetylmuramidase C, LYZ, LZM
Calculated MW	16537
Application Details	WB 1:5000-1:10000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:20
Subcellular Localization	Secreted.
Source	Eukaryota
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.
Clone Names	Clone: EBO-12
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.

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.

Images

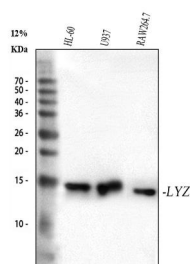


Figure 1. Western blot analysis of Lysozyme using anti-Lysozyme antibody (M01811).

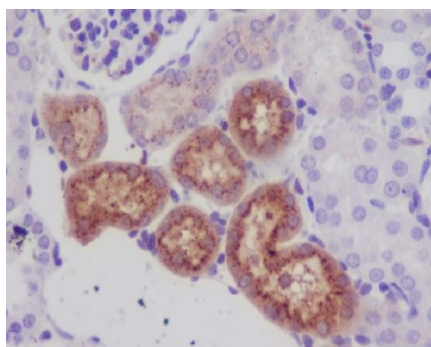
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HL-60 whole cell lysates,

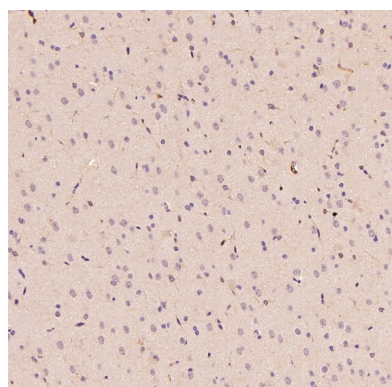
Lane 2: human U937 whole cell lysates,

Lane 3: mouse RAW264.7 whole cell lysates.

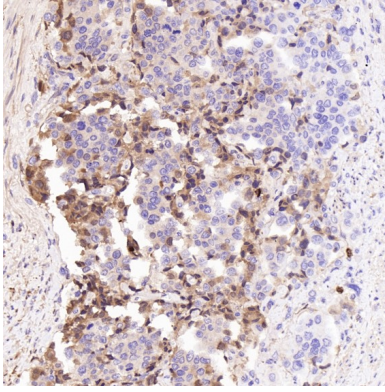
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Lysozyme antigen affinity purified monoclonal antibody (Catalog # M01811) at 1:5000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



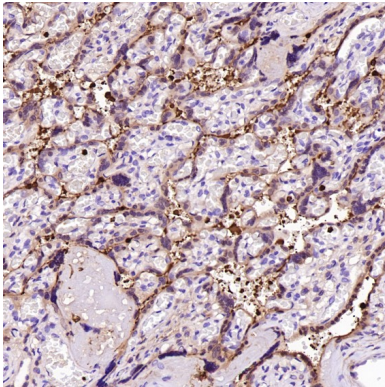
Immunohistochemical analysis of paraffin-embedded mouse kidney, using Lysozyme Antibody.



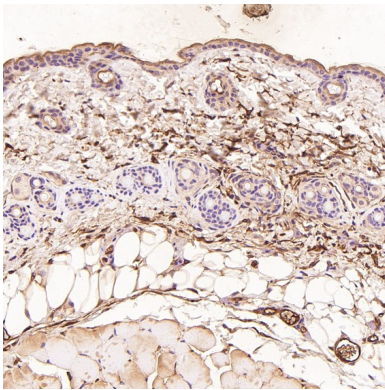
Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:2000 dilution.



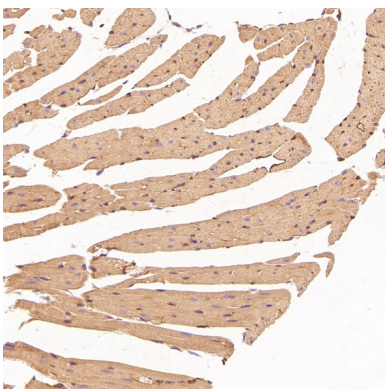
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:4000 dilution.



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

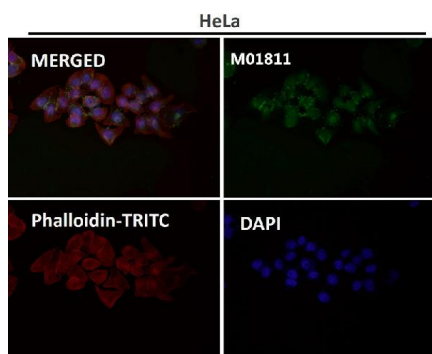


Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:2000 dilution.



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

Immunofluorescent analysis using the Antibody at 1:50 dilution.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.