10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LYZ Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5031

Specification

LYZ Antibody (C-term) - Product Information

Application	**WB, IHC-P, IHC,E**
Primary Accession	P61626
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=17 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

LYZ Antibody (C-term) - Additional Information

Gene ID 4069

Antigen Region
119-154

Other Names
Lysozyme C, 4-beta-N-acetylmuramidase C, LYZ, LZM

Dilution
WB~~1:2000
IHC-P~~1:25
IHC~~1:1000

Target/Specificity
This LYZ antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 119-154 amino acids from the C-terminal region of human LYZ.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LYZ Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LYZ Antibody (C-term) - Protein Information

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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.

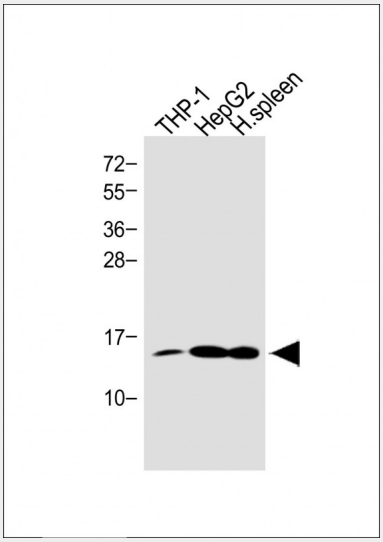
Cellular Location
Secreted.

LYZ Antibody (C-term) - 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

LYZ Antibody (C-term) - Images



All lanes : Anti-LYZ Antibody (C-term) at 1:2000 dilution Lane 1: THP-1 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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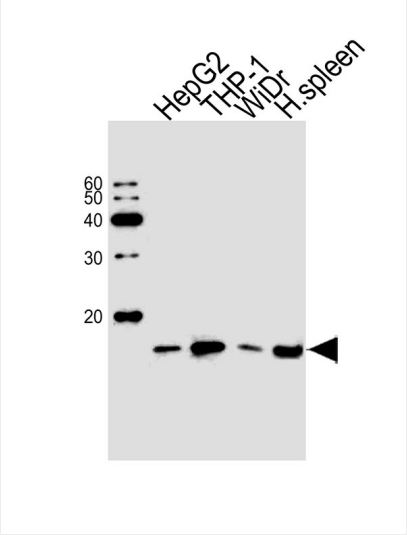
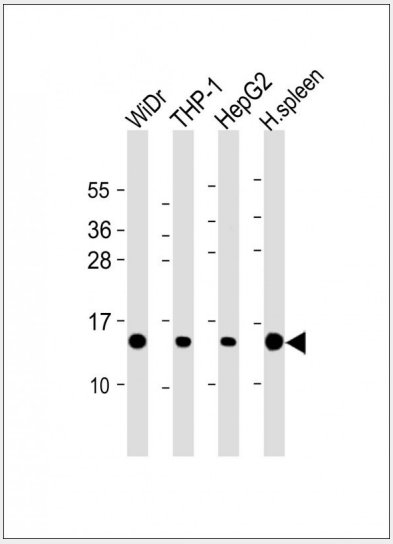
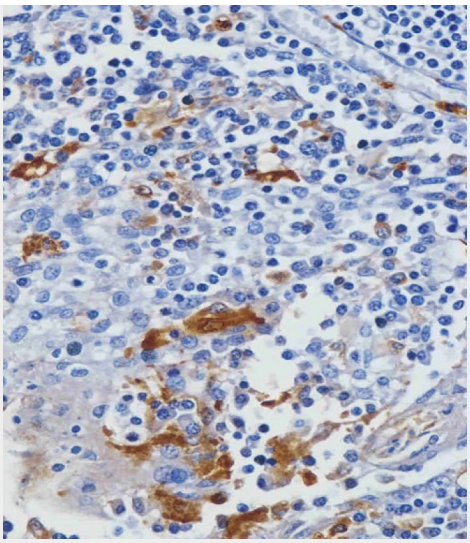


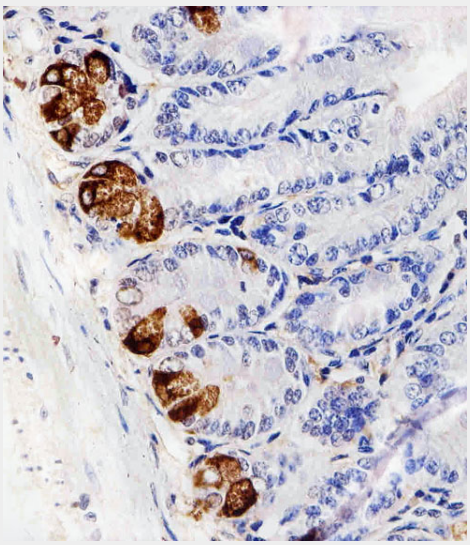
Western blot analysis of lysates from HepG2, THP-1, WiDr cell line and human spleen tissue lysate(from left to right), using LYZ Antibody (C-term)(Cat. #AW5031). AW5031 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



All lanes : Anti-LYZ Antibody (C-term) at 1:2000 dilution Lane 1: WiDr whole cell lysate Lane 2: THP-1 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: Human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AW5031 staining LYZ in human tonsil tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded M. small intestine section using LYZ Antibody (C-term)(Cat#AW5031). AW5031 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

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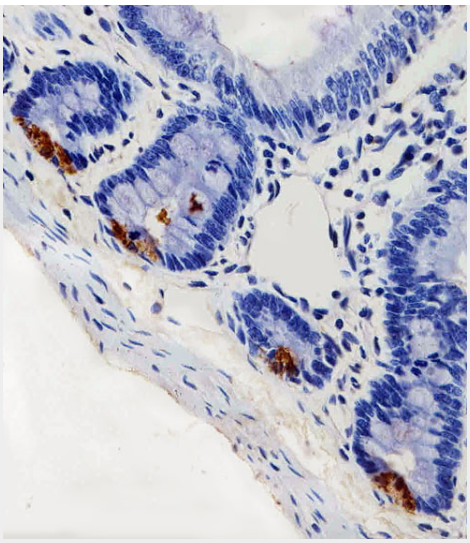
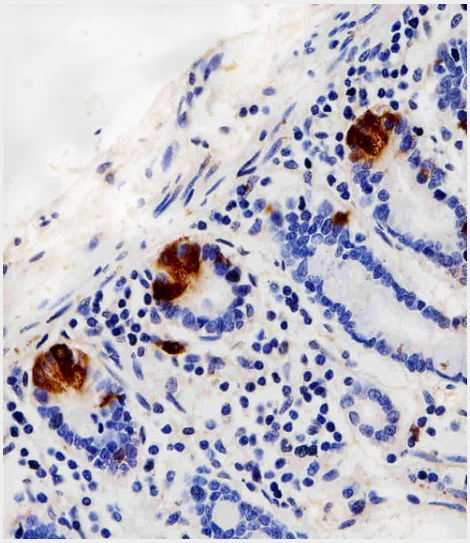
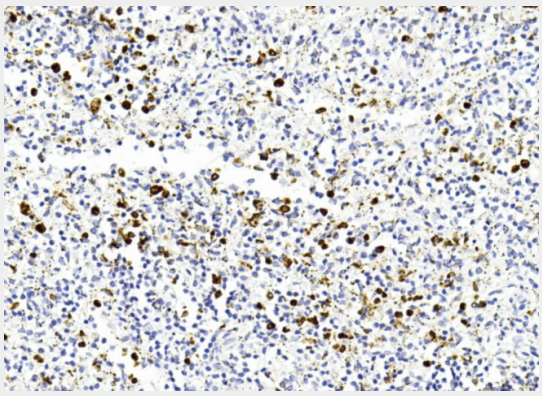


Immunohistochemical analysis of paraffin-embedded R. small intestine section using LYZ Antibody (C-term)(Cat#AW5031). AW5031 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. small intestine section using LYZ Antibody (C-term)(Cat#AW5031). AW5031 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded Human spleen section using Pink1(Cat#AW5031). AW5031 was diluted at 1:1000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

LYZ Antibody (C-term) - Background

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LYZ Antibody (C-term) - References

Castanon M.J.,et al.Gene 66:223-234(1988).
Chung L.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:6227-6231(1988).
Yoshimura K.,et al.Biochem. Biophys. Res. Commun. 150:794-801(1988).
Peters C.W.B.,et al.Eur. J. Biochem. 182:507-516(1989).
Huang B.,et al.Sheng Wu Hua Hsueh Tsa Chih 9:269-273(1993).