Order Information

Description: Rabbit anti-Lysozyme
Catalogue#: 601-780
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB
Reactivity: Chicken

Rabbit anti Lysozyme Polyclonal Antibody

Alternate Names: LYZ; LYZC;

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C-terminus 115-129aa of chicken egg white Lysozyme protein.

BACKGROUND

Lysozyme is 129 amino acids protein isolated from chicken egg white. It is a ubiquitous enzyme which can catalyze the hydrolysis of the beta (1-4) glycosidic bond in bacterial peptidoglycan, a major component of the bacterial cell membrane. It appears in many tissues and body fluids. Lack of lysozyme C can cause Amyloidosis type 8 (AMYL8) diseases. The major proteins of chicken eggs are: Ovalbumin (45 kda, 54%), Conalbumin (13%, 80 kda), Ovomucoid (11%, 28 kda), Lysozyme (3.5%, 14 kda), and other proteins.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~14 kDa of chicken egg white Lysozyme protein.

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20^{o}C to –70^{o}C. The antibodies can be stored at 2^{o}C-8^{o}C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

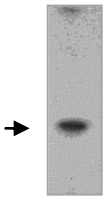
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	N/A
IHC	N/A
Flow cytometry	N/A

MOLECULAR WEIGHT:	~14 kDa
POSITIVE CONTROL:	Lysozyme
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



WB: The highly purified Lysozyme protein from chicken egg white was immunoblotted by Rabbit anti Lysozyme antibody (Cat#601-780) at 1:500. An immunoreactive band is observed at ~14 kDa.

REFERENCES

Palmiter,R.D., Gagnon,J., Ericsson,L.H. and Walsh,K.A. Precursor of egg white lysozyme. Amino acid sequence of an NH2-terminal extension. J. Biol. Chem. 252 (18), 6386-6393 (1977)

FOR RESEARCH USE ONLY.

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