Datasheet for ABIN2192194
anti-LYZ antibody

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Overview

Quantity:	100 µg
Target:	LYZ
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYZ antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunoassay (IA)

Product Details

Sterility:	0.2 µm filtered

Target Details

Target:	LYZ
Alternative Name:	Lysozyme (LYZ Products)
Background:	Lysozyme is a 14 kd enzyme directed against the b 1 a 4 glycosidic bond between N-acetylglucosamine and N-acetylmuramic acid residues that make up peptidoglycan. Lysozyme is an antimicrobial protein secreted by polymorphonuclear leukocytes and is widely distributed in secretions such as airway secretions and nasal fluid whereas it is the most effective antimicrobial protein. It is also produced by monocytes, macrophages and epithelial cells. Lysozyme is able to kill bacteria by enzymatic lysis of bacterial cell walls and by a nonenzymatic mechanism. Allthough lysozyme is highly active against many gram-positive bacteria it is ineffective against gram-negative bacteria unless potentiated by certain cofactors

Target Details

	(lactoferrin, antibody-complement or hydrogen peroxide-ascorbic acid). Next to its antimicrobial activity lysozyme has many other physiological functions including inactivation of certain viruses, important roles in surveillance of membranes of mammalian cells, immune regulatory activity, anti-inflammatory and antitumor activity

Application Details

Application Notes:	For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.
Restrictions:	For Research Use only

Handling

Buffer:	PBS, containing 0.02 % sodium azide and 0.1 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months

Publications

Product cited in:	Ibrahim, Aoki, Pellegrini: "Strategies for new antimicrobial proteins and peptides: lysozyme and aprotinin as model molecules." in: **Current pharmaceutical design**, Vol. 8, Issue 9, pp. 671-93, (2002) (PubMed). Cole, Liao, Stuchlik, Tilan, Pohl, Ganz: "Cationic polypeptides are required for antibacterial activity of human airway fluid." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 169, Issue 12, pp. 6985-91, (2002) (PubMed).