

Product datasheet for **AP26396PU-N**

Lysozyme (LYZ) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Immunoassays (coating and detection). Immunoprecipitation. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	This antibody detects Lysozyme.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	lysozyme
Database Link:	Entrez Gene 4069 Human P61626



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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. Although lysozyme is highly active against many gram-positive bacteria it is ineffective against gram-negative bacteria unless potentiated by certain cofactors (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.

Synonyms:

LYZ, LZM