

anti-Human, Rat Lysozyme Polyclonal Antibody | anti-LYZ antibody

Anti-Lysozyme Antibody

CATALOG # AAA46311	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	---------------------------------	---

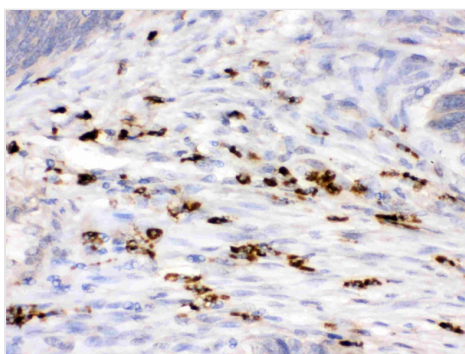
PRODUCT SYNONYMS

Lysozyme; Polyclonal Antibody; Anti-Lysozyme Antibody; Lysozyme C; 1 4 beta n acetylmuramidase c; 1; 4-beta-N-acetylmuramidase C; EC 3.2.1.17; LYSC_HUMAN; Lysosyme; Lysozyme (renal amyloidosis); Lysozyme C precursor; Lyz; LZM; Renal amyloidosis; lysozyme; anti-LYZ antibody

PRODUCT SPECIFICATIONS

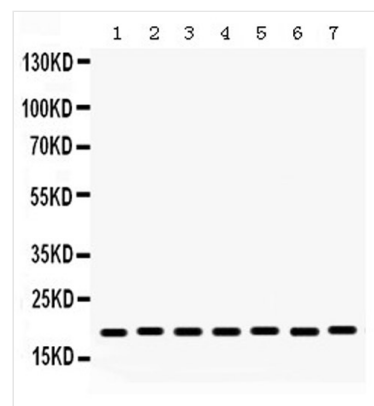
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	148
Applicable Applications for anti-LYZ antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Lysozyme (106-141aa NIADAVACAKRVVRDPQGIRAWVAWRNRCQNRDVRQ).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Lysozyme Picoband antibody, AAA46311, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)

Anti- Lysozyme Picoband antibody, AAA46311, Western blottingAll lanes: Anti Lysozyme (AAA46311) at 0.5ug/mlLane 1: Rat Intestine Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: SW620 Whole Cell Lysate at 40ugLane 6: 293T Whole Cell Lysate at 40ugLane 7: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 17KDObserved bind size: 17KD

ADDITIONAL INFORMATION

Related Product Information for anti-LYZ antibody	Description: Rabbit IgG polyclonal antibody for Lysozyme C(LYZ) detection. Tested with WB, IHC-P in Human;Rat. Background: In humans, the lysozyme enzyme is encoded by the LYZ gene. This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta [1-4] glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the antimicrobial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. The protein has antibacterial activity against a number of bacterial species. Missense mutations in this gene have been identified in heritable renal amyloidosis.
References	1. McKenzie HA, White FH (1991). "Lysozyme and alpha-lactalbumin: structure, function, and interrelationships". Adv. Protein Chem. 41: 173-315. 2. Peters CW, Kruse U, Pollwein R, Grzeschik KH, Sippel AE (July 1989). "The human lysozyme gene. Sequence organization and chromosomal localization". Eur. J. Biochem. 182 (3): 507-16. 3. Yoshimura K, Toibana A, Nakahama K (January 1988). "Human lysozyme: sequencing of a cDNA, and expression and secretion by Saccharomyces cerevisiae". Biochem. Biophys. Res. Commun. 150 (2): 794-801.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557894
NCBI GeneID	4069
NCBI Accession #	NP_000230.1
NCBI GenBank Nucleotide #	NM_000239.2
UniProt Accession #	P61626; P00695; Q13170; Q9UCF8
Molecular Weight	16,537 Da
NCBI Official Full Name	lysozyme C
NCBI Official Synonym Full Names	lysozyme
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LZM; LYZF1
NCBI Protein Information	lysozyme C
UniProt Protein Name	Lysozyme C
UniProt Gene Name	LYZ
UniProt Synonym Gene Names	LZM
UniProt Entry Name	LYSC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.