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LYZL6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16919c

Product Information

Application	WB, E
Primary Accession	O75951
Other Accession	NP_065159.1
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36229
Calculated MW	16956
Antigen Region	37-65

Additional Information

Gene ID	57151
Other Names	Lysozyme-like protein 6, LYZL6, LYC1
Target/Specificity	This LYZL6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the Central region of human LYZL6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	LYZL6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LYZL6
Synonyms	LYC1
Function	May be involved sperm-egg plasma membrane adhesion and fusion during

	fertilization (PubMed:28182716). Exhibits bacteriolytic activity in vitro against Micrococcus luteus and Staphylococcus aureus (PubMed:24013621, PubMed:28182716). Shows weak bacteriolytic activity against Gram-positive bacteria at physiological pH (PubMed:28182716). Bacteriolytic activity is pH-dependent, with a maximum at around pH 5.6 (PubMed:28182716).
Cellular Location	Secreted. Cell surface. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9DA11}. Note=Detected on the postacrosomal membrane of mature spermatozoa (PubMed:28182716)
Tissue Location	Expressed in testis, epididymis and spermatozoa (at protein level) (PubMed:16014814, PubMed:28182716). Expressed in late- stage spermatocytes and round spermatids (PubMed:28182716)

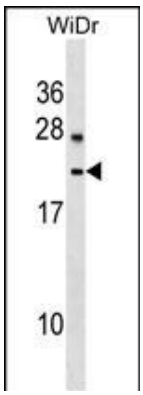
Background

Lysozymes (see LYZ; MIM 153450), especially C-type lysozymes, are well-recognized bacteriolytic factors widely distributed in the animal kingdom and play a mainly protective role in host defense. LYZL6 is a member of a family of lysozyme-like genes (Zhang et al., 2005 [PubMed 16014814]).

References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Zhang, K., et al. Biol. Reprod. 73(5):1064-1071(2005)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
Nomiyama, H., et al. J. Interferon Cytokine Res. 19(3):227-234(1999)

Images



LYZL6 Antibody (Center) (Cat. #AP16919c) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the LYZL6 antibody detected the LYZL6 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.