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LYZL1 Antibody

Catalog # ASC11515

Product Information

Application	WB, E
Primary Accession	Q6UWQ5
Other Accession	NP_115906, 73390143
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	16654
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	LYZL1 antibody can be used for detection of LYZL1 by Western blot at 1 - 2 g/mL.

Additional Information

Gene ID	84569
Other Names	Lysozyme-like protein 1, 3.2.1.17, LYZL1, LYC2
Target/Specificity	LYZL1; At least two alternatively spliced transcript variants have been observed.
Reconstitution & Storage	LYZL1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	LYZL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LYZL1
Synonyms	LYC2
Cellular Location	Secreted.

Background

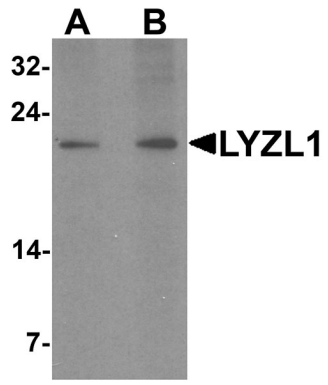
LYZL1 Antibody: The lysozyme family of proteins has an important role in host defense and is associated with the monocyte-macrophage system and enhances the activity of immunoagents. The mammalian

lysozyme gene family is much larger than previously appreciated and consists of at least eight distinct genes scattered around the genome. C-type lysozymes are specifically involved catalyzing the hydrolysis of β-1,4 glycosidic bonds of the peptidoglycan of bacterial cell walls. As a homolog of human C-type lysozyme, LYZL1 is an intra-acrosomal, nonbacteriolytic, c lysozyme-like protein recently isolated from human spermatozoa.

References

Peters CW, Kruse U, Pollwein R, et al. The human lysozyme gene. Sequence organization and chromosomal localization. Eur. J. Biochem. 1989; 182:507-16.
Irwin DM, Biegel JM, and Stewart CB. Evolution of the mammalian lysozyme gene family. BMC Evol. Biol. 2011; 11:166.
Zhang K, Gao R, Zhang H, et al. Molecular cloning and characterization of three novel lysozyme-like genes, predominantly expressed in the male reproductive system of humans, belonging to the c-type lysozyme/α-lactalbumin family. Biol. Reprod. 2005; 73:1064-71.
Mandal A, Klotz KL, Shetty J, et al. SLLP1, a unique, intra-acrosomal, non-bacteriolytic, c lysozyme-like protein of human spermatozoa. Biol. Reprod. 2003; 68:1525-37.

Images



Western blot analysis of LYZL1 in A20 cell lysate with LYZL1 antibody at (A) 1 and (B) 2 µg/mL.

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