Datasheet for 600-401-CN8

LYRM1 Antibody

Overview

Description:	Anti-LYRM1 (RABBIT) Antibody - 600-401-CN8
Item No.:	600-401-CN8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	LYRM1 was one of many genes identified through a suppression subtractive hybridization comparing their expression in omental adipose tissue of obese patients compared to non-obese individuals. Further study confirms that both mRNA and protein levels of LYRM1 are higher in obese individuals. LYRM1 is widely expressed, with highest levels occurring in adipose and liver tissues. It is thought that LYRM1 promotes preadipocyte proliferation and can inhibit apoptosis of preadipocytes. Ectopic LYRM1 expression did not significantly affect adipogenesis, suggesting that LYRM1 can influence adipose tissue homeostasis by modulating the size of the preadipocyte pool.
Synonyms:	LYRM1 Antibody, A211C6.1, LYR motif-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LYRM1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LYRM1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the internal region of human LYRM1.

Purity/Specificity:	Anti-LYRM1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with LYRM1 from other sources has not been determined.
Relevant Links:	• UniProtKB - O43325 • GeneID - 57149 • NCBI - EAW66844

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-LYRM1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

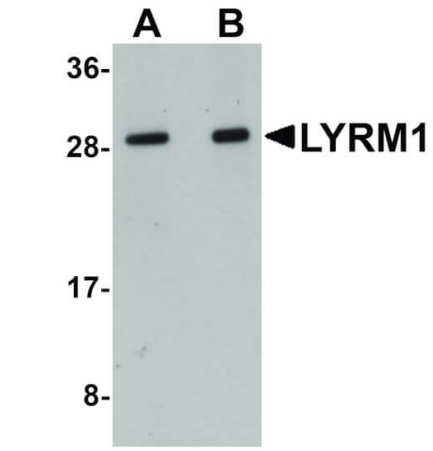
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

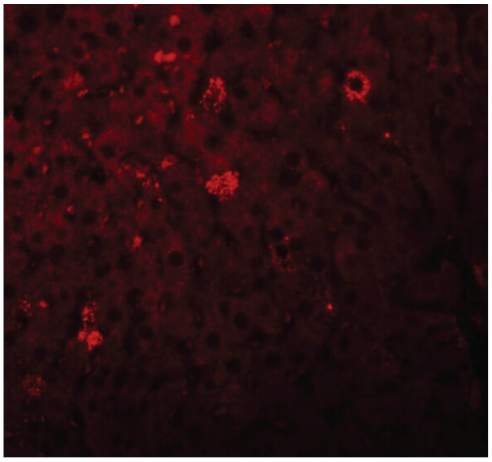
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

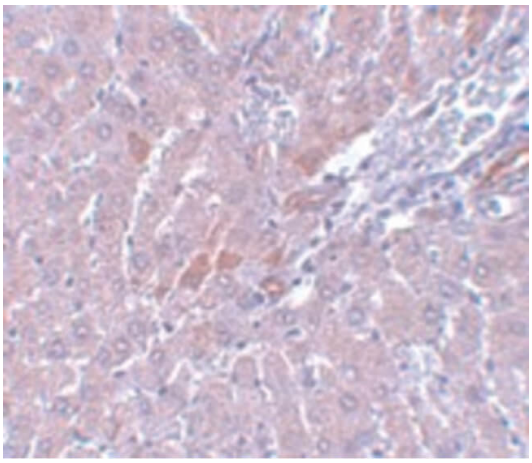
Images



Western Blot
Western Blot of LYRM1 antibody. Lane 1: Human liver tissue lysate with LYRM1 antibody at 1 µg/mL. Lane 2: Human liver tissue lysate with LYRM1 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 14 kDa, 28 kDa for LYRM1. Other band(s): LYRM1 splice variants and isoforms.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of LYRM1 antibody. Tissue: Rat liver tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: LYRM1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LYRM1 is nuclear. Staining: LYRM1 as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of LYRM1 antibody. Tissue: Rat liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: LYRM1 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: LYRM1 is nuclear. Staining: LYRM1 as precipitated purple signal with blue nuclear counterstain.

Disclaimer