

LYRM1 Antibody

Catalog # ASC11091

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O43325
Other Accession	EAW66844 , 119587248
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	14282
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	LYRM1 antibody can be used for detection of LYRM1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	57149
Other Names	LYR motif-containing protein 1, LYRM1
Target/Specificity	LYRM1;
Reconstitution & Storage	LYRM1 antibody can be stored at 4°C for three months and -20°C, 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	LYRM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LYRM1
Function	May promote cell proliferation and inhibition of apoptosis of preadipocytes.
Cellular Location	Nucleus.
Tissue Location	High levels in adipose tissue.

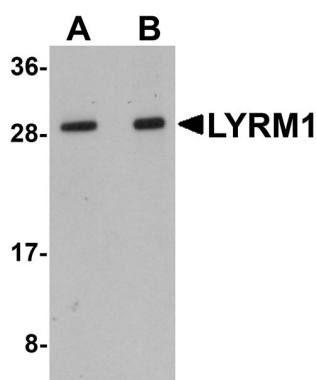
Background

LYRM1 Antibody: 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.

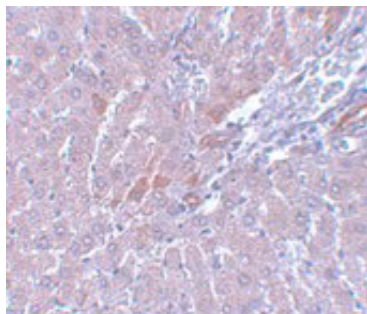
References

Qiu J, Ni YH, Gong HX, et al. Identification of differentially expressed genes in omental adipose tissues of obese patients by suppression subtractive hybridization. *Biochem. Biophys. Res. Comm.* 2007; 352:469-78.
Qiu J, Gao CL, Zhang M, et al. LYRM1, a novel gene promotes proliferation and inhibits apoptosis of preadipocytes. *Eur. J. Endocrinol.* 2009; 160:177-84.

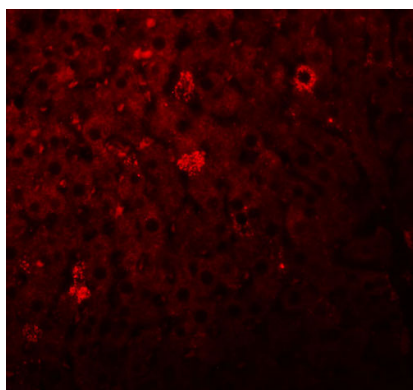
Images



Western blot analysis of LYRM1 in human liver tissue lysate with LYRM1 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of LYRM1 in rat liver tissue with LYRM1 antibody at 5 µg/mL.



Immunofluorescence of LYRM1 in rat liver tissue with LYRM1 antibody at 20 µg/mL.