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LYRM1 Antibody
Catalog # ASC11091

Specification

LYRM1 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	O43325
Other Accession	EAW66844, 119587248
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**LYRM1 antibody can be used for detection of LYRM1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

LYRM1 Antibody - Additional Information

Gene ID **57149**

Target/Specificity
LYRM1;

Reconstitution & Storage
LYRM1 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
LYRM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LYRM1 Antibody - 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.

LYRM1 Antibody - Protocols

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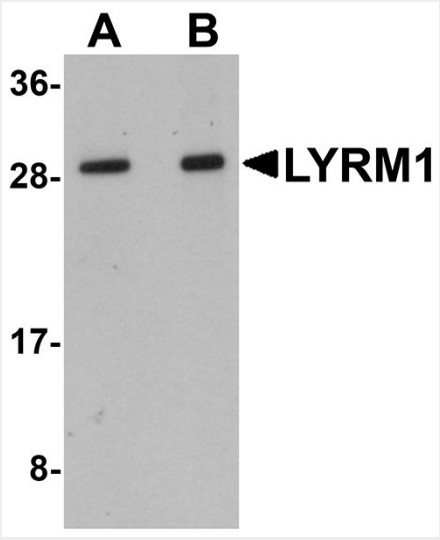
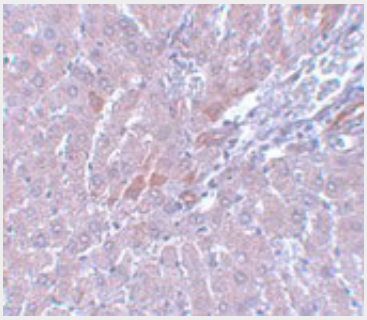
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LYRM1 Antibody - 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.

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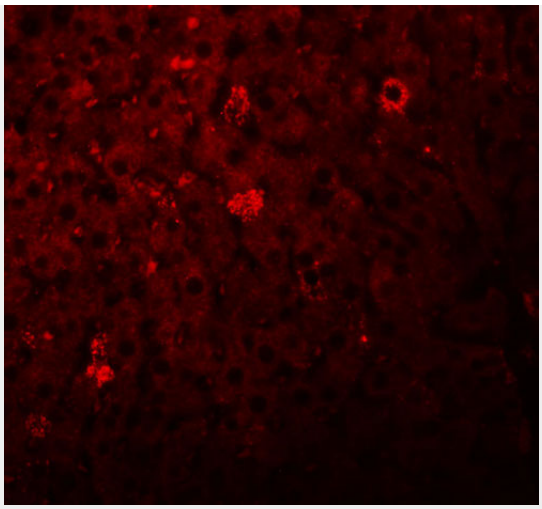

Immunofluorescence of LYRM1 in rat liver tissue with LYRM1 antibody at 20 µg/mL.

LYRM1 Antibody - 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.

LYRM1 Antibody - 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.