

LYRM2 Antibody

Catalog # ASC11092

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q9NU23
Other Accession	NP_065199 , 10092689
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	10449
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	LYRM2 antibody can be used for detection of LYRM2 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunocytochemistry starting at 20 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	57226
Other Names	LYR motif-containing protein 2, LYRM2
Target/Specificity	LYRM2;
Reconstitution & Storage	LYRM2 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	LYRM2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LYRM2
Function	Involved in efficient integration of the N-module into mitochondrial respiratory chain complex I.
Cellular Location	Mitochondrion.

Background

LYRM2 Antibody: The Lyr motif found in the LYR-motif containing protein family is similar to that found in

the *Saccharomyces cerevisiae* protein ISD11, an iron-sulfur protein in the mitochondria that is thought to play a role in iron homeostasis. No known function has been assigned to LYRM2, although LYRM1 is thought to be involved in preadipocyte progression and LYRM3 has been suggested to be a candidate gene for the branchio-oto-renal (BOR) syndrome.

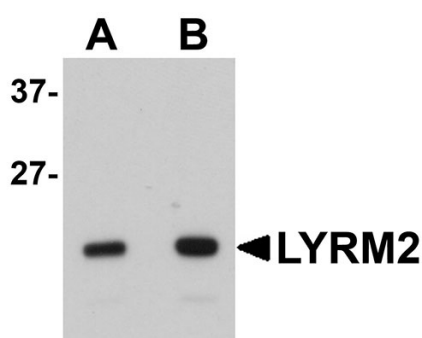
References

Shi Y, Ghosh MC, Tong WH, et al. Human ISD11 is essential for both iron-sulfur cluster assembly and maintenance of normal cellular iron homeostasis. *Hum. Mol. Genet.* 2009; 18:3014-25.

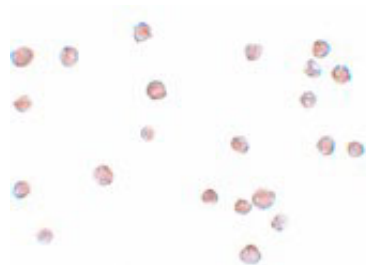
Qiu J, Gao CL, Zhang M, et al. LYRM1, a novel gene promotes proliferation and inhibits apoptosis of preadipocytes. *Eur. J. Endocrinol.* 2009; 160:177-84.

Lin X, Wells DE, Kimberling WJ, et al. Human NDUF9 gene: genomic organization and a possible candidate gene associated with deafness disorder mapped to chromosome 8q1 Hum. Heredity 1999; 49:75-80.

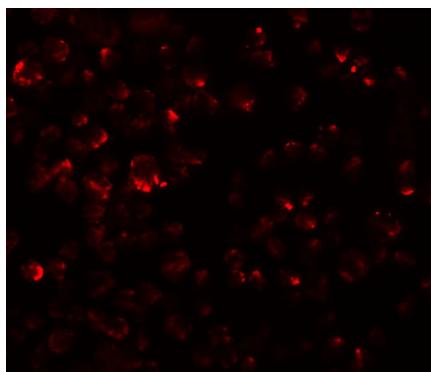
Images



Western blot analysis of LYRM2 in A549 cell lysate with LYRM2 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunocytochemistry of LYRM2 in A549 cells with LYRM2 antibody at 20 $\mu\text{g/mL}$.



Immunofluorescence of LYRM2 in A549 cells with LYRM2 antibody at 20 $\mu\text{g/mL}$.

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