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LYRM3 Antibody

Catalog # ASC11093

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9Y6M9
Other Accession	Q9Y6M9, 8134589
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21831
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	LYRM3 antibody can be used for detection of LYRM3 by Western blot at 1 - 2 g/mL. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL.

Additional Information

Gene ID	4715
Other Names	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9, Complex I-B22, CI-B22, LYR motif-containing protein 3, NADH-ubiquinone oxidoreductase B22 subunit, NDUFB9, LYRM3, UQOR22
Target/Specificity	NDUFB9;
Reconstitution & Storage	LYRM3 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	LYRM3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFB9
Synonyms	LYRM3, UQOR22
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

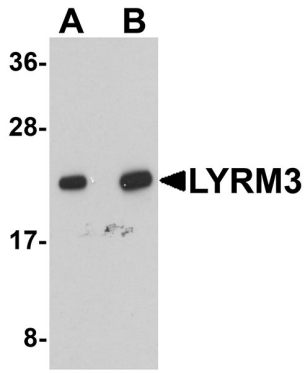
Background

LYRM3 Antibody: LYRM3, also known as NADH dehydrogenase (ubiquinone) 1 beta subcomplex 9 (NDUFB9), is a ubiquitously expressed LYR-motif containing protein. It has been suggested to be a candidate gene for the branchio-oto-renal (BOR) syndrome, which is characterized by branchial and renal abnormalities and heredity deafness disorders. Other than its LYR-motif, LYRM3 appears to have no functional or structural relationship to either LYRM1 or LYRM2.

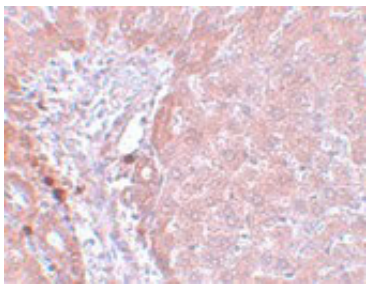
References

Lin X, Wells DE, Kimberling WJ, et al. Human NDUFB9 gene: genomic organization and a possible candidate gene associated with deafness disorder mapped to chromosome 8q13. Hum. Heredity1999; 49:75-80.

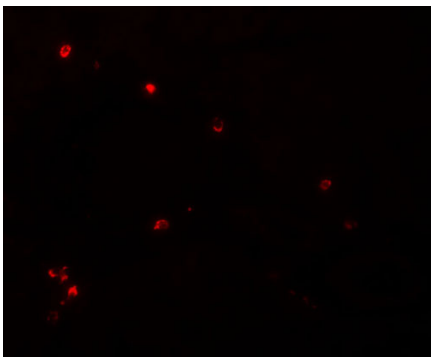
Images



Western blot analysis of LYRM3 in human liver tissue lysate with LYRM3 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of LYRM3 in rat liver tissue with LYRM3 antibody at 5 µg/mL.



Immunofluorescence of LYRM3 in rat liver tissue with LYRM3 antibody at 20 µg/mL.

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