

Datasheet for ABIN7599573
anti-LYRM4 antibody (AA 1-91)



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Overview

Quantity:	100 µg
Target:	LYRM4
Binding Specificity:	AA 1-91
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYRM4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-LYRM4 Antibody Picoband®
Immunogen:	E.coli-derived human LYRM4 recombinant protein (Position: M1-T91). Human LYRM4 shares 89% amino acid (aa) sequence identity with mouse LYRM4.
Characteristics:	Anti-LYRM4 Antibody Picoband® (ABIN7599573). Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	LYRM4
Alternative Name:	LYRM4 (LYRM4 Products)
Background:	The protein encoded by this gene is found in both mitochondria and the nucleus, where it binds cysteine desulfurase and helps free inorganic sulfur for Fe/S clusters. Disruption of this gene negatively impacts mitochondrial and cytosolic iron homeostasis.
Molecular Weight:	15 kDa
Gene ID:	57128

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Adam, A. C., Bornhovd, C., Prokisch, H., Neupert, W., Hell, K. The Nfs1 interacting protein Isd11 has an essential role in Fe/S cluster biogenesis in mitochondria. EMBO J. 25: 174-183, 2006. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 3/17/2010. 3. Lim, S. C., Friemel, M., Marum, J. E., Tucker, E. J., Bruno, D. L., Riley, L. G., Christodoulou, J., Kirk, E. P., Boneh, A., DeGennaro, C. M., Springer, M., Mootha, V. K., Rouault, T. A., Leimkuhler, S., Thorburn, D. R., Compton, A. G. Mutations in LYRM4, encoding iron-sulfur cluster biogenesis factor ISD11, cause deficiency of multiple respiratory chain complexes. Hum. Molec. Genet. 22: 4460-4473, 2013.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.