

RNLS Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2235a**Specification****RNLS Antibody - Product Information**

Application	E, WB
Primary Accession	Q5VYX0
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37.8kDa KDa

Description

Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney

Immunogen

Purified recombinant fragment of human RNLS (AA: 68-242) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

RNLS Antibody - Additional Information

Gene ID 55328

Other Names

Renalase, 1.6.3.5, Monoamine oxidase-C, MAO-C, alpha-NAD(P)H oxidase/anomerase, RNLS, C10orf59

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNLS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RNLS Antibody - Protein Information

Name RNLS

Synonyms C10orf59

Function

Catalyzes the oxidation of the less abundant 1,2-dihydro- beta-NAD(P) and 1,6-dihydro-beta-NAD(P) to form beta-NAD(P)(+). The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis.

Cellular Location

Secreted.

Tissue Location

Secreted into the blood by the kidney. Highly expressed in the kidney, expressed at lower level in heart, skeletal muscle and small intestine. Its plasma concentration is markedly reduced in patients with end-stage renal disease, as compared with healthy subjects.

RNLS Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)