

Rnls antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14427**Specification**

Rnls antibody - middle region - Product Information

Application	WB
Primary Accession	A7RDN6
Other Accession	NM_001167818 , NP_001161290
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

Rnls antibody - middle region - Additional Information

Alias Symbol	6530404N21Rik, AI452315, AW060440, C10orf59
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Other Names

Renalase, 1.6.3.5, Monoamine oxidase-C, MAO-C, mMAO-C, alpha-NAD(P)H oxidase/anomerase, Rnls {ECO:0000312|MGI:MGI:1915045}

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Rnls antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Rnls antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Rnls antibody - middle region - Protein Information

Name Rnls {ECO:0000312|MGI:MGI:1915045}

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.

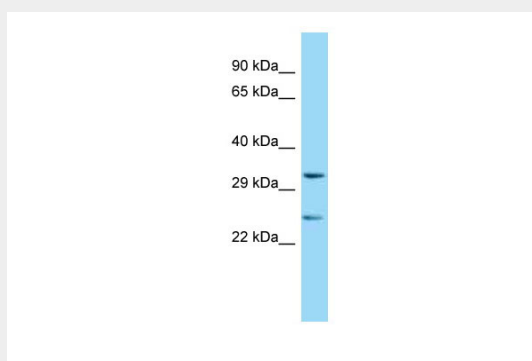
Cellular Location
Secreted.**Tissue Location**

Expressed predominantly in kidney and testis with lower levels in liver, heart and embryo and weak expression in brain and skeletal muscle.

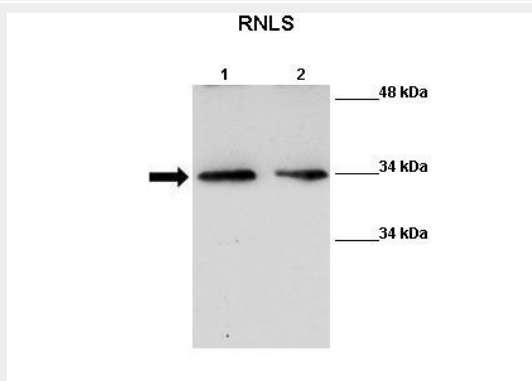
Rnls antibody - middle region - Protocols

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](#)

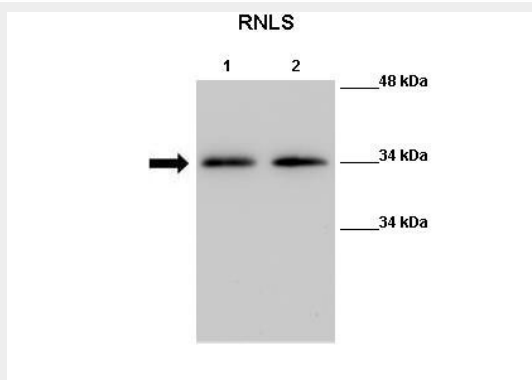
Rnls antibody - middle region - Images

WB Suggested Anti-Rnls Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart



WB Suggested Anti-Rnls Antibody
Positive Control: Lane 1: 40ug Mouse liver tissue lysate Lane 2: 40ug Mouse liver tissue lysate
Primary Antibody Dilution : 1:500
Secondary Antibody : Anti-rabbit-HRP
Secondary Antibody Dilution : 1:2500

Submitted by: Nitish R Mahapatra, IIT Madras



WB Suggested Anti-Rnls Antibody

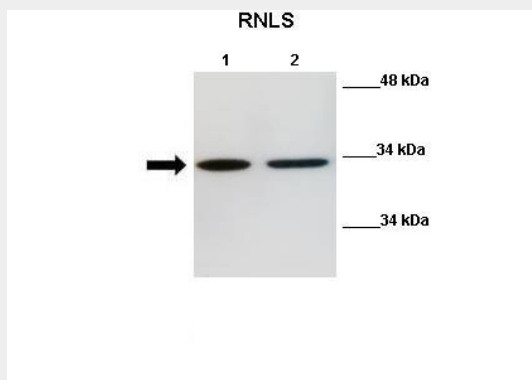
Positive Control: Lane 1: 40ug Mouse kidney tissue lysate Lane 2: 40ug Mouse kidney tissue lysate

Primary Antibody Dilution : 1:500

Secondary Antibody : Anti-rabbit-HRP

Secondary Antibody Dilution : 1:2500

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WB Suggested Anti-Rnls Antibody

Positive Control: Lane 1: 40ug Mouse N2a cell lysate

Lane 2: 40ug Mouse N2a cell lysate

Primary Antibody Dilution : 1:500

Secondary Antibody : Anti-rabbit-HRP

Secondary Antibody Dilution : 1:2500

Submitted by: Nitish R Mahapatra, IIT Madras

Rnls antibody - middle region - References

Wang J.,et al.Mol. Biol. Rep. 35:613-620(2008).

Carninci P.,et al.Science 309:1559-1563(2005).