

# Rnls antibody - middle region

Rabbit Polyclonal Antibody  
Catalog # AI14427

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">A7RDN6</a>
<b>Other Accession</b>	<a href="#">NM_001167818</a> , <a href="#">NP_001161290</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Pig, Chicken, Guinea Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	37597

## Additional Information

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<b>Alias Symbol</b>	6530404N21Rik, AI452315, AW060440, C10orf59
<b>Other Names</b>	Renalase, 1.6.3.5, Monoamine oxidase-C, MAO-C, mMAO-C, alpha-NAD(P)H oxidase/anomerase, Rnls {ECO:0000312   MGI:MGI:1915045}
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	Rnls antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Rnls {ECO:0000312   MGI:MGI:1915045}
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted.

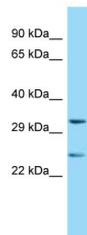
## Tissue Location

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

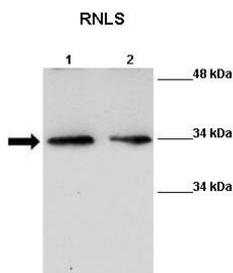
## References

Wang J., et al. Mol. Biol. Rep. 35:613-620(2008).  
Carninci P., et al. Science 309:1559-1563(2005).

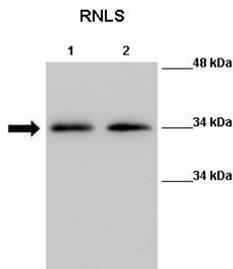
## Images



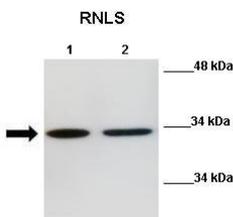
WB Suggested Anti-Rnls Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Heart



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  
Submitted by: Nitish R Mahapatra, IIT Madras



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

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