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Rnls antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14427

Product Information

Application	WB
Primary Accession	A7RDN6
Other Accession	NM_001167818, NP_001161290
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37597

Additional Information

Alias Symbol	6530404N21Rik, AI452315, AW060440, C10orf59
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.

Protein Information

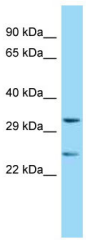
Name	Rnls {ECO:0000312|MGI:MGI:1915045}
Function	Catalyzes the oxidation of the less abundant 1,2-dihydro- beta-NAD(P) and 1,6-dihydro-beta-NAD(P) to form beta-NAD(P)(+). The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. 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.

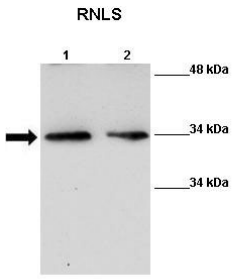
References

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

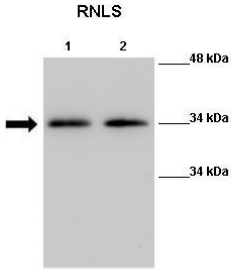
Images



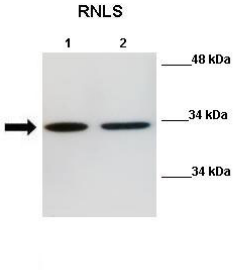
WB Suggested Anti-Rnls Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart



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
Secondry 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
Secondry 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
Secondry 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'.