

Rabbit RNLS Polyclonal Antibody | anti-RNLS antibody

RNLS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327406	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

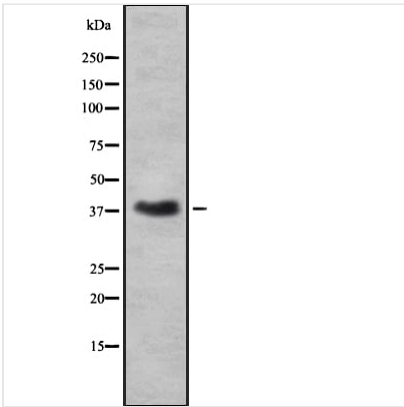
PRODUCT SYNONYMS

RNLS; Polyclonal Antibody; RNLS Antibody; 6530404N21Rik; AI452315; AW060440; C10orf59; Chromosome 10 open reading frame 59; FLJ11218; HGNC:25641; Hypothetical protein LOC55328; MAO C; MAO-C; mMAO C; Monoamine oxidase C; Monoamine oxidase-C; Renalase; Renalase FAD dependent amine oxidase; RNLS_HUMAN; anti-RNLS antibody

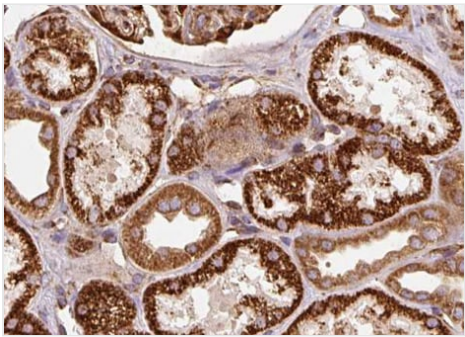
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RNLS antibody detects endogenous levels of total RNLS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	342
Applicable Applications for anti-RNLS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RNLS
Subcellular Location	Extracellular Region or Secreted
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Horse, Dog, Chicken, Xenopus
Similarity	Pig (100%), Horse (100%), Dog (89%), Chicken (89%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of RNLS using A549 whole cell lysates



IHC (Immunohistochemistry)
AAA327406 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RNLS antibody	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. Similarity: Belongs to the renalase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	237649117
NCBI GeneID	55328
NCBI Accession #	NP_001026879.2
NCBI GenBank Nucleotide #	NM_001031709.2
UniProt Accession #	Q5VYX0; Q9BS33; Q9NUP8
Molecular Weight	Observed: 38 kDa Predicted: 38 kDa
NCBI Official Full Name	renalase isoform 1
NCBI Official Synonym Full Names	renalase, FAD dependent amine oxidase
NCBI Official Symbol	RNLS
NCBI Official Synonym Symbols	C10orf59; RENALASE
NCBI Protein Information	renalase
UniProt Protein Name	Renalase
UniProt Gene Name	RNLS
UniProt Synonym Gene Names	C10orf59; MAO-C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.