

Mouse Renalase Monoclonal Antibody | anti-RNLS antibody

Renalase (Renal Cell Marker)

CATALOG # AAA214680	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry, ELISA
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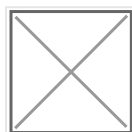
PRODUCT SYNONYMS

Renalase; Monoclonal Antibody; Renalase (Renal Cell Marker); Chromosome 10 open reading frame 59; MAO C; MAO-C; Monoamine oxidase-C; Renalase FAD dependent amine oxidase; RNLS; anti-RNLS antibody

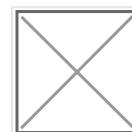
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	RNLS/1940
Specificity	Renalase is a 342 amino acid FAD-dependent amine oxidase that is highly expressed in kidney and is expressed at a lower level in heart, skeletal muscle and small intestine. Renalase is secreted in the blood by the kidney and it is thought to regulate cardiac function and systemic blood pressure. It is also suggested that Renalase functions as a hormone that metabolizes circulating catecholamines, which have an active role in the sympathetic and parasympathetic nervous systems. Individuals with chronic kidney disease and end-stage renal disease have markedly reduced levels of plasma Renalase than healthy individuals. Infusion of Renalase in animal models causes decrease in heart rate, cardiac contractility and blood pressure. Two isoforms of Renalase exist due to alternative splicing events.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	342
Applicable Applications for anti-RNLS antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human RNLS protein fragment (around aa 34-235)
Cellular Localization	Secreted
Hu-chromosome Location	10q23.31
Positive Control	293T Cells. Heart or Kidney

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Kidney tissue stained with Renalase Mouse Monoclonal Antibody (RNLS/1940).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Kidney tissue stained with Renalase Mouse Monoclonal Antibody (RNLS/1940).

ADDITIONAL INFORMATION

References	Luft, F.C. 2005. Renalase, a catecholamine-metabolizing hormone from the kidney. Cell Metab. 1: 358-360.
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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	38kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/renalase-antibody-clone-rnls-1940-immunohistochemistry-elisa/214680>