

For Research Use Only

RENALASE Monoclonal antibody, PBS Only



Catalog Number: 60128-1-PBS

Basic Information

Catalog Number:

60128-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13061

GenBank Accession Number:

BC005364

GeneID (NCBI):

55328

UNIPROT ID:

Q5VYX0

Full Name:

chromosome 10 open reading frame

59

Calculated MW:

38 kDa

Observed MW:

38 kDa

Purification Method:

Protein G purification

CloneNo.:

3A12F5

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human

Background Information

RNLS, also named as Renalase, C10orf59 and MAO-C, belongs to the renalase family. It is probable FAD-dependent amine oxidase secreted by the kidney, which circulates in blood and modulates cardiac function and systemic blood pressure. RNLS degrades catecholamines such as dopamine, norepinephrine and epinephrine in vitro. It 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. RNLS has physiologically relevant catecholamine-oxidizing activity. (PMID:15841207) This antibody is specific to RNLS.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

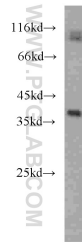
T: 4006900926

E: Proteintech-CN@ptglab.com

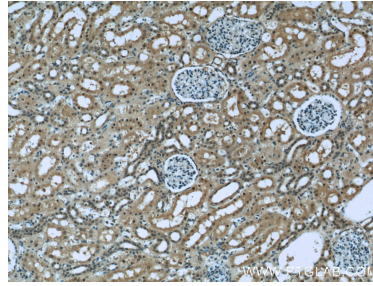
W: ptgcn.com

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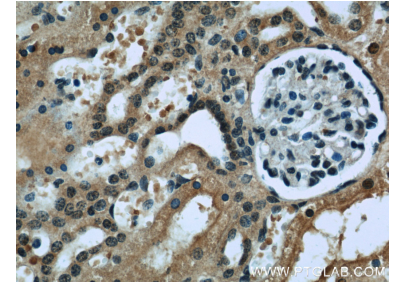
Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 60128-1-Ig (RENALASE antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60128-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney slide using 60128-1-Ig (RENALASE Antibody) at dilution of 1:50. This data was developed using the same antibody clone with 60128-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney slide using 60128-1-Ig (RENALASE Antibody) at dilution of 1:50. This data was developed using the same antibody clone with 60128-1-PBS in a different storage buffer formulation.