

For Research Use Only

RENALASE Polyclonal antibody

Catalog Number: 51127-1-AP



Basic Information

Catalog Number: 51127-1-AP	GenBank Accession Number: BC005364	Purification Method: Antigen affinity purification
Size: N/A	GeneID (NCBI): 55328	
Source: Rabbit	UNIPROT ID: Q5VYX0	
Isotype: IgG	Full Name: chromosome 10 open reading frame	
Immunogen Catalog Number: AG0508	Calculated MW: 38 kDa	

Applications

Tested Applications:
ELISA

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 -20°C.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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Selected Validation Data