

Anti-Renalase Rabbit Monoclonal Antibody

Catalog # ABO15731

Product Information

Application	WB, IHC
Primary Accession	Q5VYX0
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Renalase Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	55328
Other Names	Renalase, 1.6.3.5, Monoamine oxidase-C, MAO-C, RNLS, C10orf59
Calculated MW	37847
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 23R07
Immunogen	A synthesized peptide derived from human Renalase
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	RNLS
Synonyms	C10orf59
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.

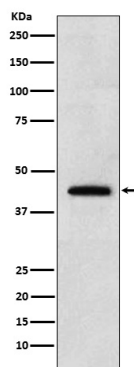
Cellular Location

Secreted.

Tissue Location

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.

Images



Western blot analysis of Renalase expression in 293T cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.