À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-RENALASE

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:15003-1-AP Phare 7 Publications

Informations de base

Numéro de catalogue:
15003-1-AP

Taille:
150ul , Concentration: 400 μg/ml by Nanodrop and 333 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13061

Numéro d'acquisition GenBank:
BC005364

Identification du gène (NCBI):
55328

Nom complet:
chromosome 10 open reading frame 59

MW calculé
38 kDa

MW observés:
35 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules Caco-2,

IP : cellules HEK-293,

IHC : tissu rénal humain,

IF : tissu rénal de souris, cellules HEK-293

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Janete Quelhas-Santos	24599883	Exp Biol Med (Maywood)	WB
Janete Santos	25984079	NDT Plus	WB
Minghao Luo	35898283	Front Cardiovasc Med	WB,IF

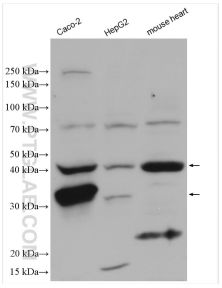
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

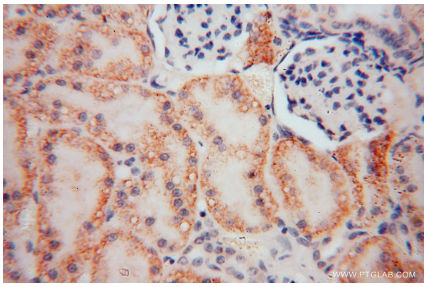
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

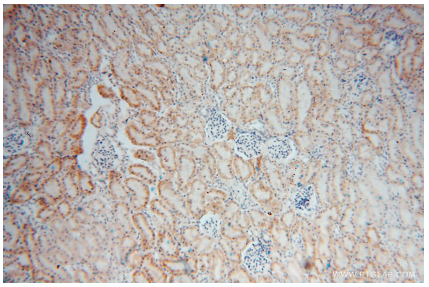
Données de validation sélectionnées



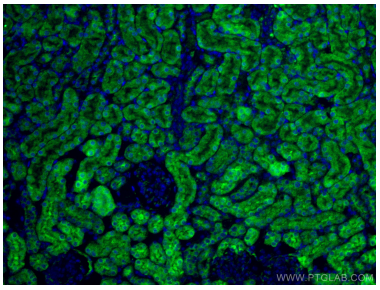
Various lysates were subjected to SDS PAGE followed by western blot with 15003-1-AP (RENALASE antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



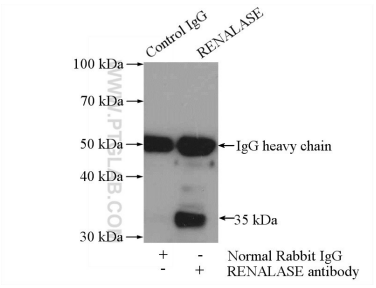
Immunohistochemical analysis of paraffin-embedded human kidney using 15003-1-AP (RENALASE antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 15003-1-AP (RENALASE antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using RENALASE antibody (15003-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-RENALASE (IP:15003-1-AP, 4ug; Detection:15003-1-AP 1:500) with HEK-293 cells lysate 2000ug.