

Datasheet for ABIN7269913
anti-Renin antibody



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1 Image

Overview

Quantity:	100 µL
Target:	Renin (REN)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Renin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Renin Rabbit mAb
Immunogen:	A synthesized peptide derived from human Renin
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Renin (REN)
Alternative Name:	REN (REN Products)
Background:	Renin catalyzes the first step in the activation pathway of angiotensinogen—a cascade that can

Target Details

result in aldosterone release, vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described, but their full-length nature has not been determined. Mutations in this gene have been shown to cause familial hyperproreninemia. [provided by RefSeq, Jul 2008], HNFJ2, Blood, Blood_Blood Pressure regulation, Cardiovascular, REN

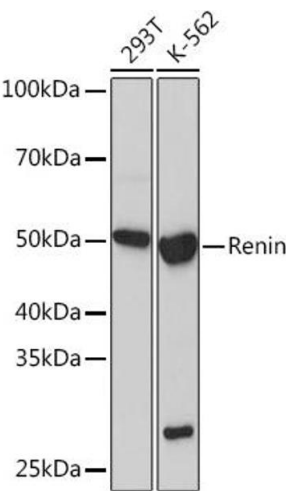
Molecular Weight:	47kDa
Gene ID:	5972
UniProt:	P00797
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour

Application Details

Application Notes:	WB, 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 0.05 % BSA, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Renin Rabbit mAb (ABIN7269913) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.