

REN monoclonal antibody, clone 244/1 RH12

Catalog # MAB3694

Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against recombinant REN.
Immunogen	Recombinant protein corresponding to human REN.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes prorenin and active renin.
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In BBS
Storage Instruction	Store at 4°C.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — REN

Entrez GeneID	5972
Gene Name	REN
Gene Alias	FLJ10761
Gene Description	renin

Omim ID [179820 267430](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can 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]

Other Designations OTTHUMP00000034311|angiotensin-forming enzyme|angiotensinogenase|renin precursor, renal

Pathway

- [Renin-angiotensin system](#)

Disease

- [Alzheimer disease](#)
- [Arrhythmias](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Death](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)

- [Edema](#)
- [Emergencies](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hyperaldosteronism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Renal Insufficiency](#)
- [Tobacco Use Disorder](#)