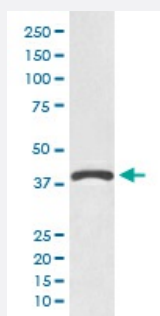


AGTR2 monoclonal antibody, clone FIO-1

Catalog # MAB19535 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with AGTR2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human AGTR2.
Immunogen	A synthetic peptide corresponding to human AGTR2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:50) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with AGTR2 monoclonal antibody.

- Immunoprecipitation

Gene Info — AGTR2

Entrez GeneID [186](#)

Protein Accession# [P50052](#)

Gene Name AGTR2

Gene Alias AT2, ATGR2, MRX88

Gene Description angiotensin II receptor, type 2

Omim ID [300034](#)

Gene Ontology [Hyperlink](#)

Gene Summary Angiotensin II is a potent pressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors termed AT1 and AT2. AGTR2 belongs to a family 1 of G-protein coupled receptors. It is an integral membrane protein. It plays a role in the central nervous system and cardiovascular functions that are mediated by the renin-angiotensin system. This receptor mediates programmed cell death (apoptosis). In adults, it is highly expressed in myometrium with lower levels in adrenal gland and fallopian tube. It is highly expressed in fetal kidney and intestine. The human AGTR2 gene is composed of three exons and spans at least 5 kb. Exons 1 and 2 encode for 5' untranslated mRNA sequence and exon 3 harbors the entire uninterrupted open reading frame. [provided by RefSeq]

Other Designations OTTHUMP00000023878|angiotensin receptor 2

Pathway

- [Neuroactive ligand-receptor interaction](#)

- [Renin-angiotensin system](#)

Disease

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Aortic Coarctation](#)
- [Aortic Valve Stenosis](#)
- [Arrhythmias](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Cough](#)
- [Death](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)

- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glomerulonephritis](#)
- [Hydronephrosis](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypoglycemia](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Multicystic Dysplastic Kidney](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Polycythemia](#)

- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Stomach Neoplasms](#)
- [Tuberculosis](#)
- [Turner Syndrome](#)
- [Ureteral Obstruction](#)
- [Urinary Tract Infections](#)
- [Urologic Diseases](#)
- [Ventricular Dysfunction](#)
- [Vesico-Ureteral Reflux](#)