

AGTR1 Antibody (Center)
Mouse Monoclonal Antibody (Mab)
Catalog # AM1963B

Specification

AGTR1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P30556
Other Accession	P34976 , P30555 , NP_114038.1 , NP_114438.1
Reactivity	Human
Predicted	Pig, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Antigen Region	211-240

AGTR1 Antibody (Center) - Additional Information

Gene ID 185

Other Names

Type-1 angiotensin II receptor, AT1AR, AT1BR, Angiotensin II type-1 receptor, AT1, AGTR1, AGTR1A, AGTR1B, AT2R1, AT2R1B

Target/Specificity

This AGTR1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 211-240 amino acids from the Central region of human AGTR1.

Dilution

WB~~1:100~250

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

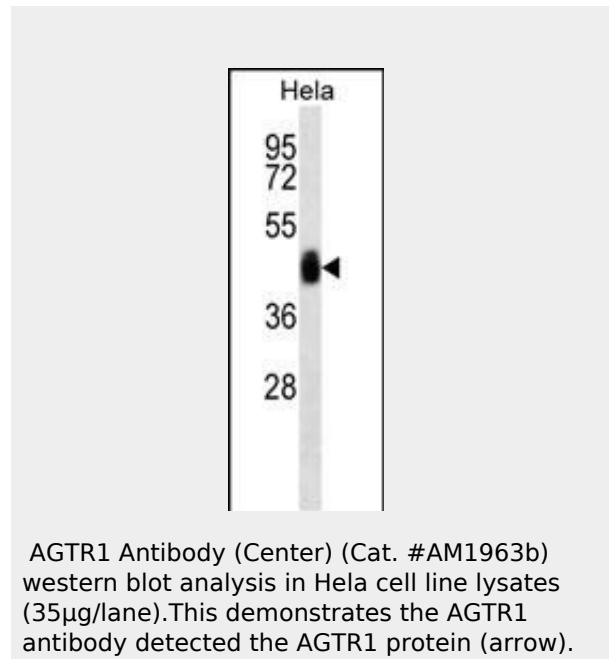
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AGTR1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

AGTR1 Antibody (Center) - Protein Information



AGTR1 Antibody (Center) - Background

Angiotensin II is a potent vasopressor 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. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. At least five transcript variants have been described for this gene. Additional variants have been described but their full-length nature has not been determined. The entire coding sequence is contained in the terminal exon and is present in all transcript variants.

Name AGTR1

[provided by
RefSeq].

Synonyms AGTR1A, AGTR1B, AT2R1,
AT2R1B

Function

Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol- calcium second messenger system.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Liver, lung, adrenal and adrenocortical adenomas.

AGTR1 Antibody (Center) - References

Xu, M., et al. Atherosclerosis
213(1):191-199(2010)
Niu, W., et al. Hypertens. Res.
33(11):1137-1143(2010)
Procopciuc, L.M., et al. Eur. J. Intern. Med.
21(5):414-418(2010)
Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4),
361 (2010) :
Schoor, M., et al. J. Neurol. Neurosurg. Psychiatr.
(2010) In press :

AGTR1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AGTR1 Antibody (Center) - Citations

- [The angiotensin type 2 receptor in the human adrenocortical zona glomerulosa and in aldosterone-producing adenoma: low expression and no functional role.](#)