

Anti-AGTR1 Rabbit Monoclonal Antibody
Catalog # ABO13749

Specification

Anti-AGTR1 Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P30556
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-AGTR1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-AGTR1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 185

Other Names

Type-1 angiotensin II receptor, AT1AR, AT1BR, Angiotensin II type-1 receptor, AT1 receptor, AGTR1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=336)
HGNC:336

Calculated MW

41061 MW KDa

Application Details

WB 1:500-1:2000

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Liver, lung, adrenal and adrenocortical adenomas.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human AGTR1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for

up to one month. Avoid repeated
freeze-thaw cycles.

Anti-AGTR1 Rabbit Monoclonal Antibody - Protein Information

Name AGTR1 ([HGNC:336](#))

Function

Receptor for angiotensin II, a vasoconstricting peptide, which acts as a key regulator of blood pressure and sodium retention by the kidney (PubMed:[15611106](http://www.uniprot.org/citations/15611106), PubMed:[1567413](http://www.uniprot.org/citations/1567413), PubMed:[25913193](http://www.uniprot.org/citations/25913193), PubMed:[26420482](http://www.uniprot.org/citations/26420482), PubMed:[30639100](http://www.uniprot.org/citations/30639100), PubMed:[32079768](http://www.uniprot.org/citations/32079768), PubMed:[8987975](http://www.uniprot.org/citations/8987975)). The activated receptor in turn couples to G-alpha proteins G(q) (GNAQ, GNA11, GNA14 or GNA15) and thus activates phospholipase C and increases the cytosolic Ca(2+) concentrations, which in turn triggers cellular responses such as stimulation of protein kinase C (PubMed:[15611106](http://www.uniprot.org/citations/15611106)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

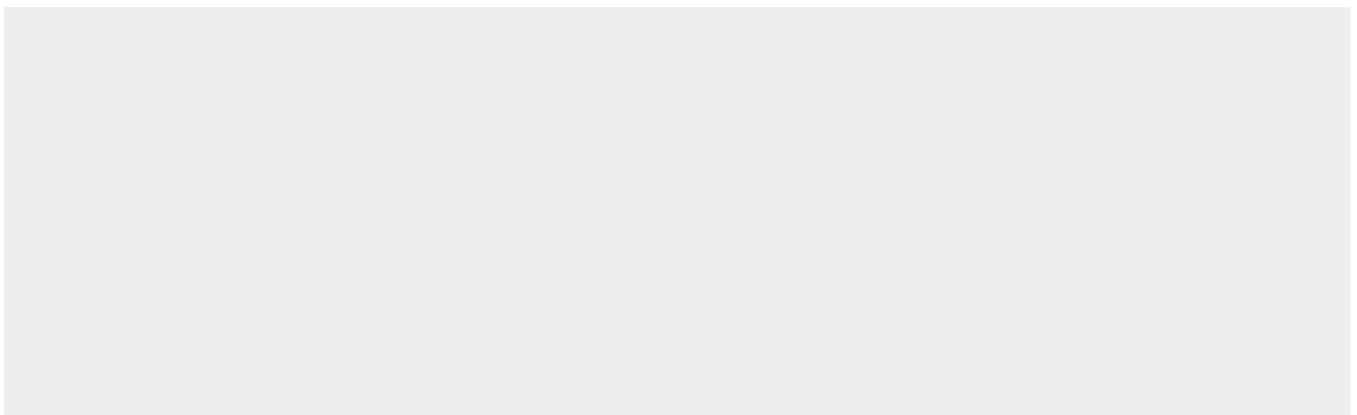
Liver, lung, adrenal and adrenocortical adenomas.

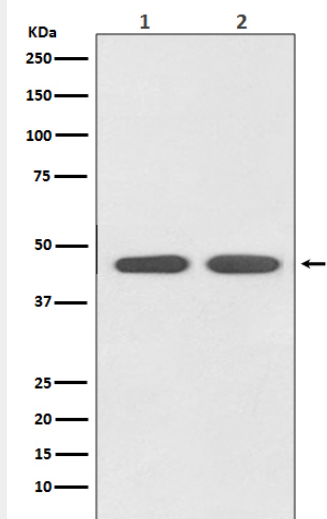
Anti-AGTR1 Rabbit Monoclonal Antibody - Protocols

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](#)

Anti-AGTR1 Rabbit Monoclonal Antibody - Images





Western blot analysis of AGTR1 expression in (1) HeLa cell lysate; (2) PC-12 cell lysate.