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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 (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, PubMed:1567413, PubMed:25913193, PubMed:26420482, PubMed:30639100, PubMed:32079768, PubMed: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).

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 Cytomety
- Cell Culture

Anti-AGTR1 Rabbit Monoclonal Antibody - Images

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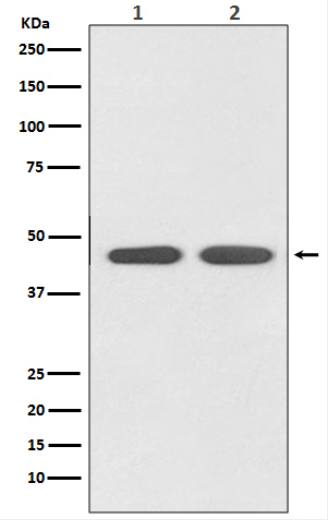

Western blot analysis of AGTR1 expression in (1) HeLa cell lysate; (2) PC-12 cell lysate.