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AGTR1 Antibody

Rabbit mAb
Catalog # AP91112

Product Information

Application	WB
Primary Accession	P30556
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	AGTR1; AG2S; AGTR1A; AGTR1B; AT1; AT1AR; AT1B; AT1BR; AT2R1; AT2R1A; AT2R1B; HAT1R;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	41061

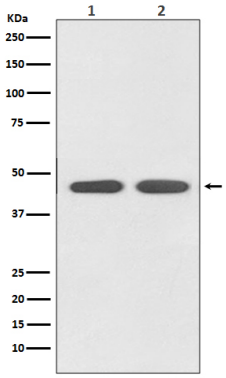
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human AGTR1
Description	Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



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