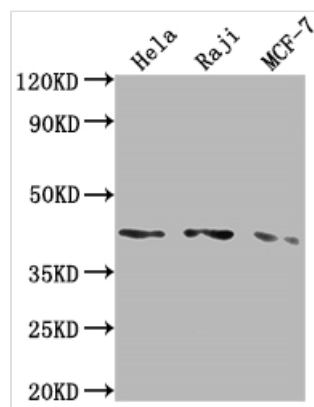




AGTR1 Antibody

| | |
|----------------------------|---|
| Product Code | CSB-RA257443A0HU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P30556 |
| Immunogen | A synthesized peptide derived from human AGTR1 |
| Species Reactivity | Human |
| Tested Applications | ELISA, WB; Recommended dilution: WB:1:500-1:5000 |
| Relevance | Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | Affinity-chromatography |
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |
| Product Type | Recombinant Antibody |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Cancer; Cardiovascular; Metabolism |
| Gene Names | AGTR1 |
| Accession NO. | 4A9 |

Image



Western Blot

Positive WB detected in: HeLa whole cell lysate, Raji whole cell lysate, MCF-7 whole cell lysate

All lanes: AGTR1 antibody at 1:2000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

Description

AGTR1 is expressed abundantly in renal and non-renal tissues from development to adulthood where it works as a major regulator of the cardiovascular system via G-protein-coupled interactions. AGTR1 is involved in the pathophysiology of hypertension and has an important function in blood



pressure management. AGTR1 is mostly found in vascular smooth muscle cells, as well as the heart, adrenal gland, and kidney. The AGTR1 and AGTR2 proteins can serve as antagonists, affecting cell migration and proliferation in cardiovascular cells, metastatic cancer cells, and hematopoietic stem-progenitor cells, respectively (HSC). AGTR1 has been shown to be expressed in human epithelial ovarian cancer and has been linked to endometrial carcinoma invasion, migration, and carcinogenesis.

The production of this recombinant AGTR1 antibody started with identifying and cloning the genes for antibody expression. After the AGTR1 antibody was cloned into an expression plasmid, the plasmid could be introduced into the mammalian cell to produce the target recombinant antibody. This recombinant AGTR1 antibody has been validated in ELISA, WB.