Angiotensin II Type 2 Receptor Rabbit pAb

db20411   **Package : 20μL   50μL   100μL**

Product Name : Angiotensin II Type 2 Receptor Rabbit pAb
Cat.No.: db20411
Synonyms : AT2; ATGR2; MRX88
Application : WB, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene belongs to the G-protein coupled receptor 1 family, and functions as a receptor for angiotensin II. It is an intergral membrane protein that is highly expressed in fetus, but scantily in adult tissues, except brain, adrenal medulla, and atretic ovary. This receptor has been shown to mediate programmed cell death and this apoptotic function may play an important role in developmental biology and pathophysiology. Mutations in this gene are been associated with X-linked cognitive disability. Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) and SARS-CoV-2 infection result in down-regulation of ACE2 (angiotensin converting enzyme-2) receptors which triggers serious inflammatory lesions, primarily in the lungs. The inflammatory reaction is mediated by angiotensin II derivatives; however, while the ACE2-angiotensin II-angiotensin AT1 receptor pathway contributes to the pathophysiology of ARDS (acute respiratory distress syndrome), the activation of the ACE-2-angiotensin(1-7)-angiotensin AT2 receptor and the ACE-2-angiotensin(1-7)-Mas receptor pathways have been shown to be protective. [provided by RefSeq, Jun 2020]
Immunogen	A synthetic peptide of human Angiotensin II Type 2 Receptor
Gene ID	186
Swiss Prot	P50052
Synonyms	AT2; ATGR2; MRX88
Reactivity	Human, Mouse, Rat
Application	WB, IP
Recommended dilution	WB: 1:1000 IP: 1:20
Calculated MW	41 kDa
Observed MW	41 kDa
Host species	Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.