ACE2 monoclonal antibody (AF647)

Catalog # MAB22379 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against recombinant human ACE2.
Immunogen	Recombinant protein corresponding to human ACE2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Conjugation	AF647
Conjugation Note	Excitation Emission: 651nm / 667nm
Storage Buffer	In 0.01 M Na_3PO_4, 0.25 M NaCl, pH 7.6 (0.5% BSA, 0.02% sodium azide).
Storage Instruction	Store in the dark at 4°C for six months.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

Gene Info — ACE2

Entrez GeneID	59272
Protein Accession#	Q9BYF1
Gene Name	ACE2

Gene Alias	ACEH, DKFZp434A014
Gene Description	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
Omim ID	300335
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63. [provided by RefSeq
Other Designations	ACE-related carboxypeptidase|OTTHUMP00000022963|angiotensin I converting enzyme 2|angiotensin converting enzyme-like protein

Pathway

- Renin-angiotensin system

Disease

- Arrhythmias
- Atrial Fibrillation
- Cardiomyopathy
- Cardiovascular Diseases
- Coronary Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema

- Genetic Predisposition to Disease

- Hypertension
- Hypertrophy
- Hypotension
- Intracranial Aneurysm
- Malaria
- Metabolic Syndrome X
- Sarcoidosis