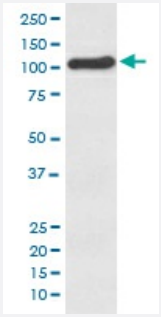
ACE2 monoclonal antibody, clone GEE-1

Catalog # MAB19519 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human kidney lysate with ACE2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ACE2.
Immunogen	A synthetic peptide corresponding to human ACE2.
Sequence	DYWRGDYEVNGVDGYDYSR
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of human kidney lysate with ACE2 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

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 dipeptid yl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzym e. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angioten sin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene sug gests that it may play a role in the regulation of cardiovascular and renal function, as well as fertilit y. 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