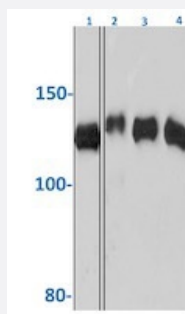


RecomAb™

ACE2 recombinant monoclonal antibody

Catalog # RAB03654 Size 100 uL

Applications



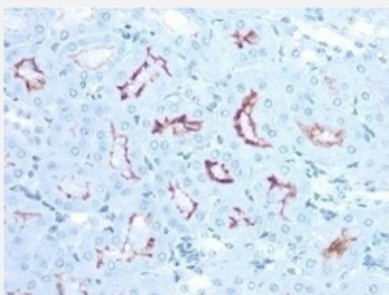
Western Blot

Western blot analysis of Lane 1: mouse brain, Lane 2: rat lung, Lane 3: rat brain and Lane 4: rat kidney with ACE2 recombinant monoclonal antibody (Cat # RAB03054).



Western Blot

Western blot analysis of HepG2 cells with ACE2 recombinant monoclonal antibody (Cat # RAB03054).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Paraffin-embedded sections) of mouse kidney tissue with ACE2 recombinant monoclonal antibody (Cat # RAB03054) at 1:100 dilution.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against human ACE2.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ACE2.
Reactivity	Viruses
Form	Liquid
Conjugation	Unconjugated
Purification	Affinity purification
Concentration	batch dependent
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.3 (0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: mouse brain, Lane 2: rat lung, Lane 3: rat brain and Lane 4: rat kidney with ACE2 recombinant monoclonal antibody (Cat # RAB03054).

- Western Blot

Western blot analysis of HepG2 cells with ACE2 recombinant monoclonal antibody (Cat # RAB03054).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Paraffin-embedded sections) of mouse kidney tissue with ACE2 recombinant monoclonal antibody (Cat # RAB03054) at 1:100 dilution.

Gene Info — ACE2

Entrez GeneID [59272](#)

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 carboxypeptidases 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](#)