Angiotensin Converting Enzyme 2 Rabbit mAb

Catalog No: #49072

Package Size: #49072-1 50ul #49072-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Angiotensin Converting Enzyme 2 Rabbit mAb
Clone No.	SN0754
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ACE 2 antibody ACE related carboxypeptidase antibody ACE-related carboxypeptidase antibody ACE2 antibody ACE2_HUMAN antibody ACEH antibody Angiotensin converting enzyme 2 antibody Angiotensin converting enzyme homolog antibody Angiotensin converting enzyme like protein antibody Angiotensin I Converting Enzyme (peptidyl dipeptidase A) 2 antibody Angiotensin I converting enzyme 2 antibody Angiotensin-converting enzyme homolog antibody DKFZP434A014 antibody EC 3.4.17 antibody metalloprotease MPROT 15 antibody Metalloprotease MPROT15 antibody OTTHUMP00000022963 antibody Processed angiotensin-converting enzyme 2 antibody
Accession No.	Swiss-Prot#:Q9BYF1
Uniprot	Q9BYF1
GeneID	59272;
Calculated MW	92 kDa
Concentration	1mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

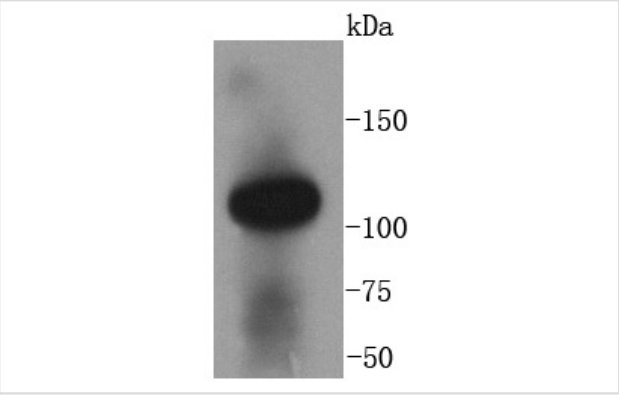
Application Details

WB: 1:1,000-5,000

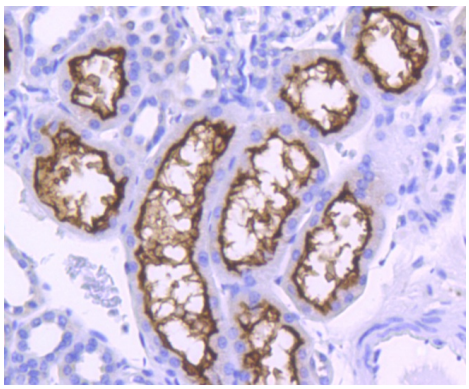
IHC: 1:50-1:200

ICC: 1:100-1:500

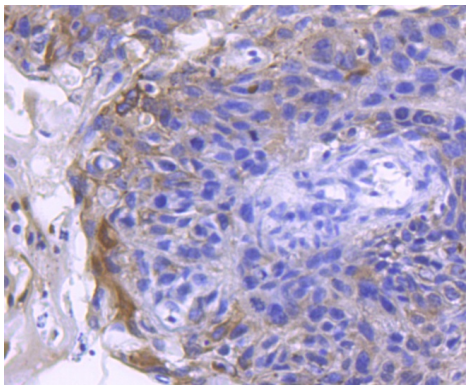
Images



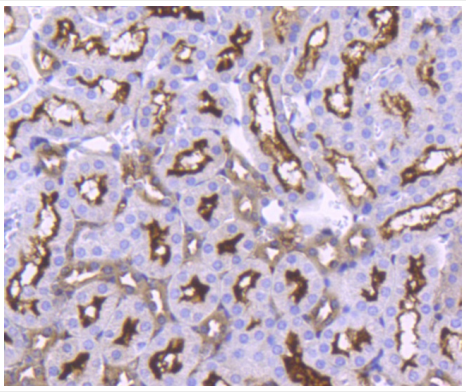
Western blot analysis of ACE2 on human kidney lysates using anti-ACE2 antibody at 1/1,000 dilution.



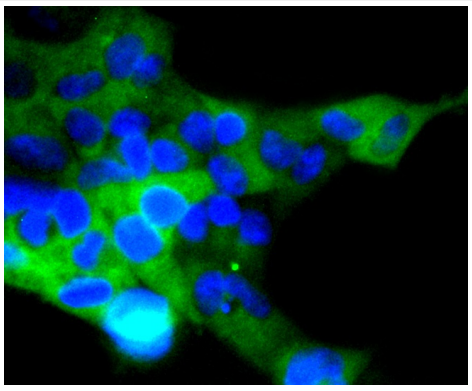
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ACE2 antibody. Counter stained with hematoxylin.



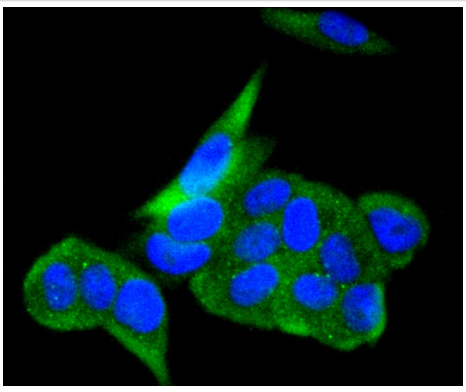
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-ACE2 antibody. Counter stained with hematoxylin.



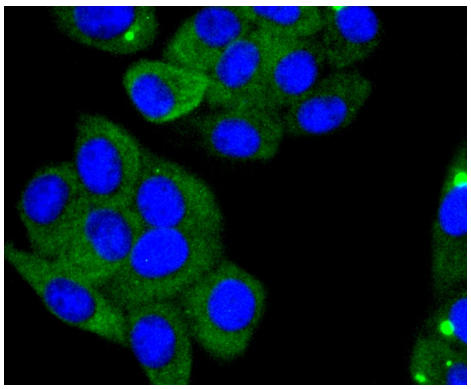
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-ACE2 antibody. Counter stained with hematoxylin.



ICC staining ACE2 in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ACE2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ACE2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Angiotensin-converting enzyme (ACE) is a carboxyl-terminal dipeptidyl exopeptidase that converts angiotensin I to the potent vasopressive hormone, angiotensin II. There are two isoforms of ACE, the pulmonary ACEP and the testicular ACET. ACEP is a glycoprotein expressed in vascular endothelial cells of the lung, liver, adrenal cortex, pancreas, kidney and spleen. The ACET isoform is expressed exclusively in adult testis by developing sperm cells, specifically late pachytene spermatocytes. Additionally, ACE inactivates bradykinin, a vasodepressor peptide, and is involved in blood pressure regulation and fluid/electrolyte homeostasis. ACE2 is the first known human homolog of ACE. Unlike ACE, which is expressed ubiquitously throughout the vasculature, ACE2 is expressed only in cardiac, renal and testicular cells.

Note: This product is for in vitro research use only