

Datasheet for ABIN1882201
anti-ACE2 antibody (AA 1-270)



[Go to Product page](#)

1 Image **3** Publications

Overview

Quantity:	100 µL
Target:	ACE2
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACE2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified His-tagged ACE2 protein was used to produced this monoclonal antibody.
Clone:	881CT16-4-4
Isotype:	IgM
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	ACE2
Abstract:	ACE2 Products
Background:	Carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13

Target Details

and dynorphin-13 with high efficiency. May be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses.

Molecular Weight: 92463

NCBI Accession: [NP_068576](#)

UniProt: [Q9BYF1](#)

Pathways: [ACE Inhibitor Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

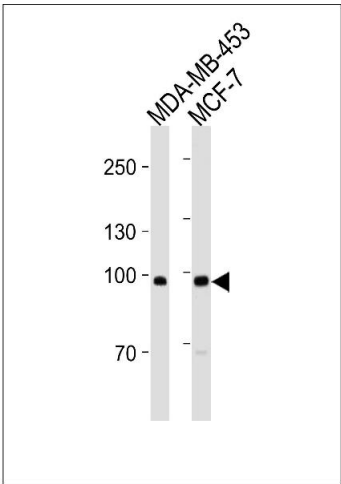
Product cited in: Itoyama, Keicho, Hijikata, Quy, Phi, Long, Ha, Ban, Matsushita, Yanai, Kirikae, Kirikae, Kuratsuji, Sasazuki: "Identification of an alternative 5'-untranslated exon and new polymorphisms of angiotensin-converting enzyme 2 gene: lack of association with SARS in the Vietnamese population." in: **American journal of medical genetics. Part A**, Vol. 136, Issue 1, pp. 52-7, (2005) ([PubMed](#)).

Douglas, OBryan, Hedger, Lee, Yarski, Smith, Lew: "The novel angiotensin-converting enzyme (ACE) homolog, ACE2, is selectively expressed by adult Leydig cells of the testis." in:

Endocrinology, Vol. 145, Issue 10, pp. 4703-11, (2004) ([PubMed](#)).

Tipnis, Hooper, Hyde, Karran, Christie, Turner: "A human homolog of angiotensin-converting enzyme. Cloning and functional expression as a captopril-insensitive carboxypeptidase." in: **The Journal of biological chemistry**, Vol. 275, Issue 43, pp. 33238-43, (2000) ([PubMed](#)).

Images



Western Blotting

Image 1. ACE2 (SARS Receptor) Antibody (Center) ABIN1882201 western blot analysis in MDA-MB-453,MCF-7 cell line lysates (35 µg/lane).This demonstrates the ACE2 (SARS Receptor) antibody detected the ACE2 (SARS Receptor) protein (arrow).