

Datasheet for ABIN1882190

anti-ACE2 antibody



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Overview

Quantity:	400 µL
Target:	ACE2
Reactivity:	Human, Mouse
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 kappa
Purification:	This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

Target Details

Target:	ACE2
Alternative Name:	ACE2 (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 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

Target Details

	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: 1:1000
Restrictions:	For Research Use only

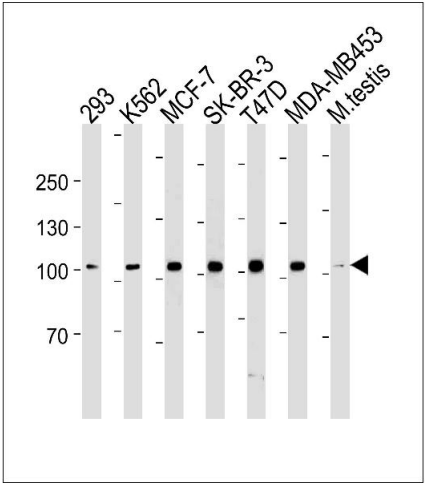
Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS 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).
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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](#)).



Western Blotting

Image 1. ACE2 (SARS Receptor) Antibody (Center) (ABIN1882190 and ABIN2843362) western blot analysis in 293,K562,MCF-7,SK-BR-3,T47D,MDA-MB-453 cell line and mouse testis tissue lysates (35 µg/lane).This demonstrates the ACE2 antibody detected the ACE2 protein (arrow).