

Datasheet for ABIN3029964
anti-ACE2 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	ACE2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACE2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified His-tagged protein was used to produced this monoclonal ACE2 antibody.
Clone:	881CT16-4-4
Isotype:	IgM kappa
Purification:	Purified

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.
UniProt:	Q9BYF1
Pathways:	ACE Inhibitor Pathway, Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, Feeding Behaviour

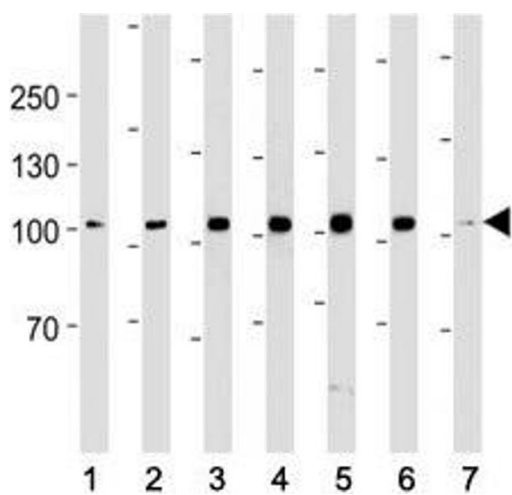
Application Details

Application Notes:	Titration of the ACE2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

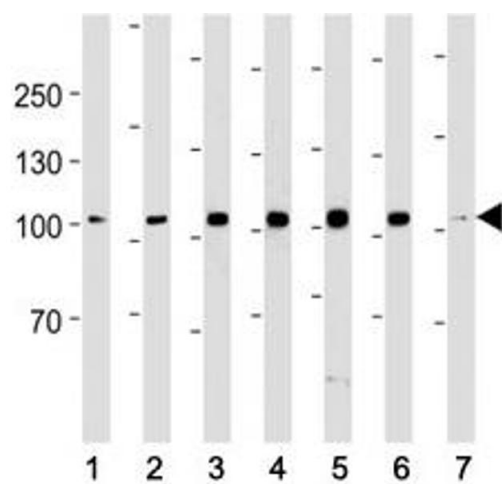
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the ACE2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. ACE2 antibody western blot analysis in (1) 293, (2) K562, (3) MCF-7, (4) SK-BR-3, (5) T47D, (6) MDA-MB-453 cell line and (7) mouse testis tissue lysate. Predicted molecular weight: 90-100 kDa.



Western Blotting

Image 2. ACE2 antibody western blot analysis in (1) 293, (2) K562, (3) MCF-7, (4) SK-BR-3, (5) T47D, (6) MDA-MB-453 cell line and (7) mouse testis tissue lysate. Predicted molecular weight: 90-100 kDa.