

Datasheet for ABIN2855030
anti-ACE2 antibody (N-Term)

2 Images



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Overview

Quantity:	100 µL
Target:	ACE2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACE2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human ACE2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Green Monkey, Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to ACE2 (angiotensin I converting enzyme (peptidyl-dipeptidase A) 2) ACE2 antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	ACE2
Alternative Name:	angiotensin I converting enzyme 2 (ACE2 Products)
Background:	The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases 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. Cellular Localization: Processed angiotensin-converting enzyme 2: Secreted , Cell membrane
Molecular Weight:	92 kDa
Gene ID:	59272
UniProt:	Q9BYF1
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: KO/KD, Orthogonal, Overexpression
Restrictions:	For Research Use only

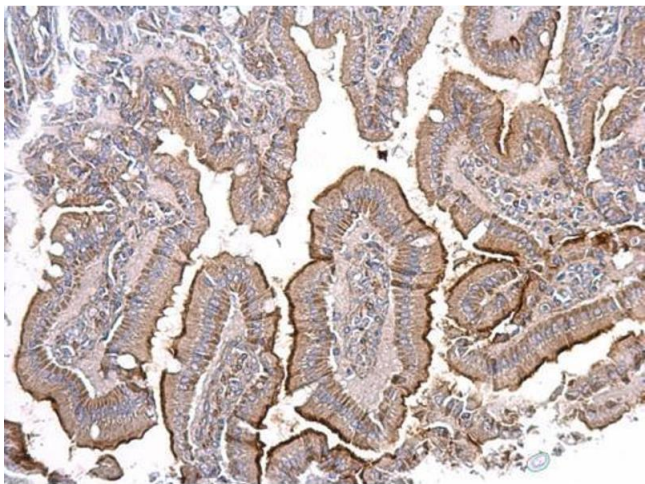
Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

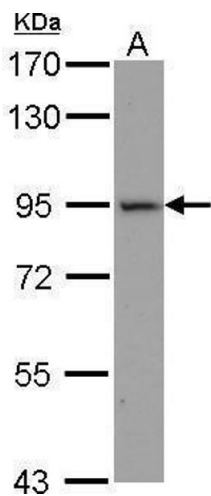
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image ACE2 antibody [N1N2], N-term detects ACE2 protein at secreted on mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. ACE2 antibody [N1N2], N-term , dilution: 1:500.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: HepG2 7.5% SDS PAGE antibody diluted at 1:1000