

Product Datasheet

ACE2 / Angiotensin I Converting Enzyme 2 Antibody (orb1822597)

Catalog Number	orb1822597
Category	Antibodies
Description	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. By cleavage of angiotensin II, may be an important regulator of heart function. By cleavage of angiotensin II, may also have a protective role in acute lung injury. Plays an important role in amino acid transport by acting as binding partner of amino acid transporter SL6A19 in intestine, regulating trafficking, expression on the cell surface, and its catalytic activity. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A recombinant partial protein sequence (within amino acids 1-300) from the human protein was used as the immunogen for the ACE2 antibody.
UniProt ID	Q9BYF1
Tested applications	ELISA, IHC-P

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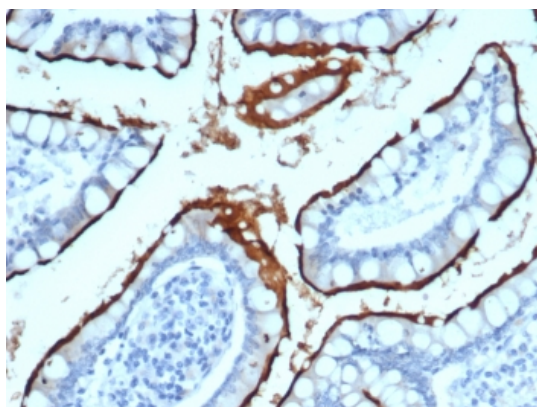
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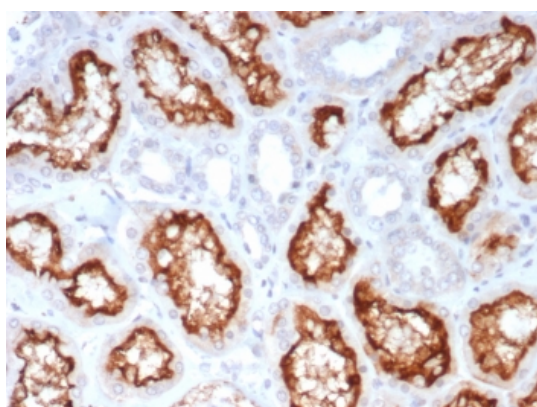
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Dilution range	ELISA (Order BSA-free format for coating), Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Antibody Type	Primary Antibody
Clone Number	ACE2/7203
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Hazard Information	This ACE2 antibody is available for research use only.
Note	For research use only



IHC staining of FFPE human small intestine tissue with ACE2 antibody (clone ACE2/7203) at 2 ug/ml. HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney tissue with ACE2 antibody (clone ACE2/7203) at 2 ug/ml. HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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