

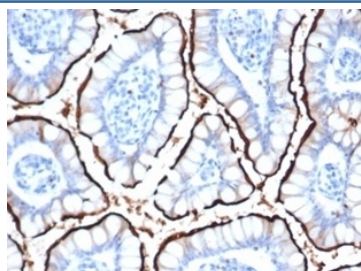
ACE2 Antibody / Angiotensin-Converting Enzyme 2 [clone ACE2/6788R] (V8992)

Catalog No.	Formulation	Size
V8992-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8992-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8992SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

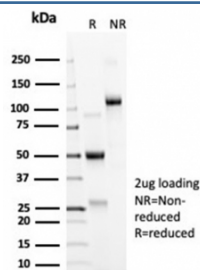
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ACE2/6788R
Purity	Protein A/G affinity
UniProt	Q9BYF1
Localization	Cell membrane, Secreted
Applications	ELISA (For Coating : Order BSA-free Format) : Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This ACE2 antibody is available for research use only.



IHC staining of FFPE human small intestine tissue with ACE2 antibody (clone ACE2/6788R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free ACE2 antibody (ACE2/6788R) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the ACE2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 705-805 was used as the immunogen for the ACE2 antibody.

Storage

Aliquot the ACE2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.