

Rabbit Anti-ACE2/Angiotensin Converting Enzyme 2 [3F1]: RM0400-0.1

Intended Use: For Research Use Only

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. May be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses.

Specifications:

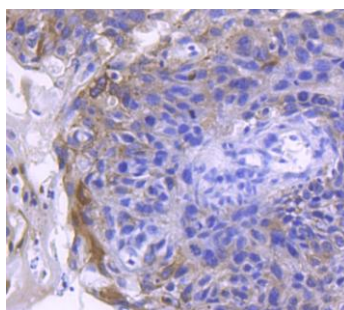
Clone: 3F1
 Source: Rabbit
 Isotype: IgG
 Concentration: 1ug/ul
 Reactivity: Human, mouse, rat
 Immunogen: Human Angiotensin Converting Enzyme 2 to C terminal
 Localization: Membrane
 Formulation: Antibody in TBS pH7.4, containing BSA, 40% Glycerol and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at -20°C for 12 months
 Applications: IHC: 100-500, ICC/IF: 50-200, WB: 300-1000
 Package:

Description	Catalog No.	Size
ACE2/Angiotensin Converting Enzyme 2 Concentrated	RM0400-0.1	0.1 ml

IHC Procedure*:

Positive Control Tissue: Kidney, testis
 Concentrated Dilution: 100-500
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: Overnight @ 4°C
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human breast carcinoma stained with anti-ACE2 using DAB

References:

1. Enteroendocrine-derived glucagon-like peptide-2 controls intestinal amino acid transport. Lee J, et al. Mol Metab 6:245-255, 2017.
2. A Low-Protein Diet Enhances Angiotensin II Production in the Lung of Pregnant Rats but not Nonpregnant Rats. Gao H, et al. J Pregnancy 2016:4293431, 2016.
3. Gestational protein restriction increases angiotensin II production in rat lung. Gao H, et al. Biol Reprod 88:64, 2013.
4. Maternal protein restriction reduces expression of angiotensin I-converting enzyme 2 in rat placental labyrinth zone in late pregnancy. Gao H, et al. Biol Reprod 86:31, 2012.

Doc. 100-RM0400
Rev. A