

**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.

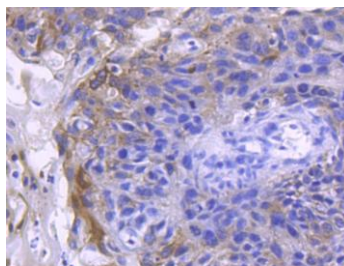
**Specifications:**

Clone: 3F1  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, mouse, rat  
Immunogen: Human Angiotensin Converting Enzyme 2 to C terminal  
Localization: Membrane  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC: 100-500, ICC/IF: 50-200, WB: 300-1000  
Package:

Description	Catalog No.	Size
ACE2/Angiotensin Converting Enzyme 2 Concentrated	RM0016	0.1 ml

**IHC Procedure\*:**

Positive Control Tissue: Kidney  
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: 30-60 minutes @ RT  
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.

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Rev. A