

# ACE2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to amino acids near the C-terminus of human ACE2.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_11153159

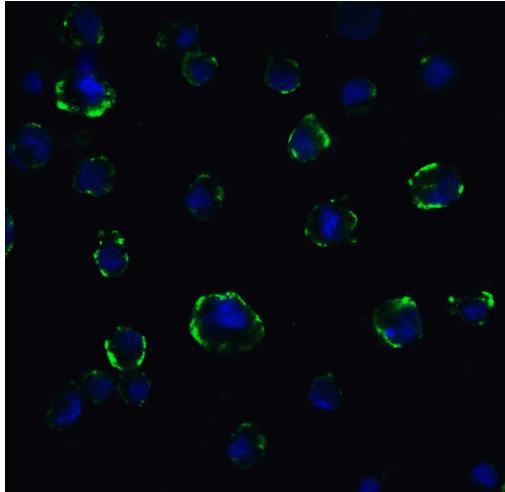
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	2-15 µg/mL	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	20 µg/mL	-
Immunocytochemistry (ICC/IF)	20 µg/mL	1 Publication

## Product Specific Information

In Western blot applications, this antibody detects a band at ~90kDa. A suggested positive control is human kidney tissue lysate.

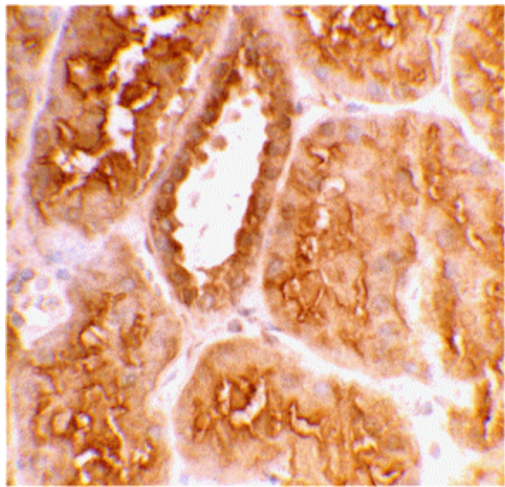
PA5-20040 can be used with blocking peptide PEP-0159.

Product Images For ACE2 Polyclonal Antibody



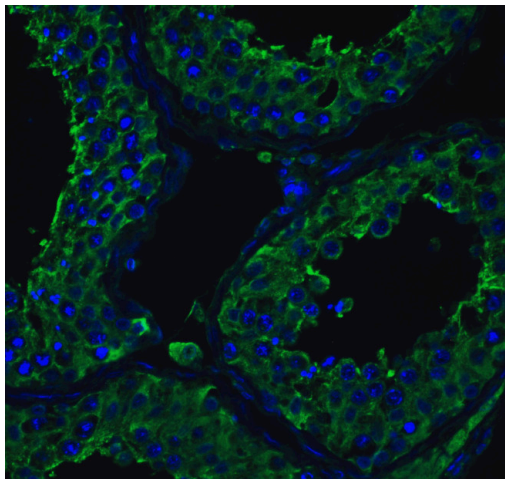
**ACE2 Antibody (PA5-20040) in ICC/IF**

Immunofluorescent analysis of 4% paraformaldehyde-fixed Caco2 cells labeling ACE2 with ACE2 Polyclonal Antibody (Product # PA5-20040) at 5 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (green) and DAPI staining (blue). Image showing membrane staining on Caco2 cells.



**ACE2 Antibody (PA5-20040) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded human kidney tissue using ACE2 Polyclonal Antibody (Product # PA5-20040) at 2 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



**ACE2 Antibody (PA5-20040) in IHC (PFA)**

Immunofluorescent analysis of 4% paraformaldehyde-fixed human testis tissue labeling ACE-2 with ACE2 Polyclonal Antibody (Product # PA5-20040) at 20 µg /mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (green) and DAPI staining (blue).

View more figures on [thermofisher.com](https://thermofisher.com)

Immunohistochemistry (1)

Cells	Year 2022
In Vitro Characterization of a Tissue Renin-Angiotensin System in Human Nucleus Pulposus Cells.	Species Human
"PA5-20040 was used in Immunohistochemistry-immunofluorescence to indicate that tRAS modulation might be a novel therapeutic approach to intervertebral disc disease."	Dilution 1:100
Authors: Saravi B,Li Z,Basoli V,Grad S,Häckel S,Albers CE,Alini M,Schmal H,Obid P,Lang G	

Immunocytochemistry (1)

Journal of virology	Year 2021
Epstein-Barr Virus Lytic Replication Induces ACE2 Expression and Enhances SARS-CoV-2 Pseudotyped Virus Entry in Epithelial Cells.	Species Human
"PA5-20040 was used in Immunocytochemistry to show that inhibiting EBV replication with antivirals may therefore decrease susceptibility to SARS-CoV-2 infection."	
Authors: Verma D,Church TM,Swaminathan S	

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