Ablumir
Built Around Immunology

Anti-ACE2 Rabbit mAb [10H04]

Catalog No.: A52000

Basic Information

Catalog No. (Cat.No.)	A52000
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	ACE2,ACEH

Product Information

Target	ACE2
Molecular Weight(Calculated)	130 kDa
Molecular Weight(Observed)	130 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	10H04
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:1000-1:4000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Angiotensin-converting enzyme 2
Gene Name	*ACE2*
Domain	NA
Background	ACE2 (Angiotensin-converting enzyme 2) belongs to the angiotensin-converting enzyme family and mediates negative regulation of the renin-angiotensin system. ACE2 is a membrane-bound carboxypeptidase predominantly expressed on pulmonary, cardiac, renal and intestinal epithelial cells. It catalyzes conversion of angiotensin II into angiotensin 1-7, counteracting ACE-driven vasoconstriction and inflammation to exert protective effects that maintain cardiovascular, pulmonary and renal homeostasis. ACE2 also serves as the functional receptor for coronavirus entry, as SARS-CoV and SARS-CoV-2 spike proteins bind ACE2 to mediate viral infection, making ACE2 central to COVID-19 infection mechanisms. Its expression level and proteolytic shedding modulate viral susceptibility. ACE2 is widely studied in cardiovascular disease, lung injury, viral infection and drug-target researches.