For Research Use Only

ACE2 Polyclonal antibody Catalog Number:21115-1-AP Featured Product

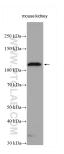


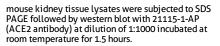


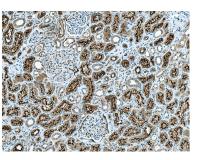
Basic Information	Catalog Number: 21115-1-AP	GenBank Accession Number: BC048094		Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCI	BI):	Antigen annity purification Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:1000 IF-P 1:50-1:500 IF-Fro 1:200-1:800	
	500 ug/ml	59272			
	Source:	UNIPROT ID	t -		
	Rabbit	Q9BYF1			
	Isotype: IgG Immunogen Catalog Number: AG15455	Full Name:	l converting enzyme		
		-	peptidase A) 2		
		Calculated M 805 aa, 92 k			
		Observed M 120 kDa, 92			
Applications			Positive Cor	ntrols:	
	WB, IHC, IF-P, IF-Fro, IP, ELISA			WB : mouse kidney tissue, human skeletal muscle tissue	
	Cited Applications: WB, IHC, IF, IP, CoIP				
	Species Specificity: IHC : human mouse rat IHC : human			IP: mouse kidney tissue,	
			small intest	kidney tissue, mouse testis tissue, huma ine tissue	
	Cited Species:	IE-P : huma		kidney tissue, mouse kidney tissue	
	Inditian, mouse, rat, canine, monkey		se kidney tissue,		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
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Background Information	TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0 ACE2 (Angiotensin-converting en critical regulator of the reninangi found predominantly in the heart (PMID:15983030). ACE2 has been SARS-CoV-2 (PMID: 32142651). Th might be critical for the susceptib 32133153). It can be used as a poi molecular weight of ACE2 is 92kI several cleaved fragments can al It has 2 isoforms produced by alter	atively, antige d with citrate d with citrate azyme 2), also nar otensin system. A c, kidneys, and tes shown to be a fuu he expression lev bility, symptoms, tential therapeuti Da but it migrates so be detected as ernative splicing.	med as ACEH, is a zinc n ACE2 has a more restrict stes although low levels nctional receptor of the rel and expression patte and outcome of 2019-nd ic target of SARS-CoV-2 s to 120kDa due to N-gly 5 75kDa, 50 kDa or 37kD This antibody is specifi	hetalloprotease of the ACE family and a feed tissue distribution than ACE, being have been detected in a variety of tissue human coronaviruses SARS-CoV and rn of human ACE2 in different tissues CoV/SARS-CoV-2 infection (PMID: (PMID: 32125455). The calculated rcosylation (PMID:16166094). Sometimes a (PMID: 29561187, 22009550, 30759273) c to ACE2. The location of ACE2 is the mitosis (PMID: 1730413/PMID:	
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

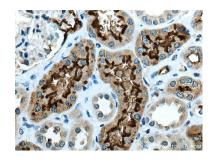
Selected Validation Data



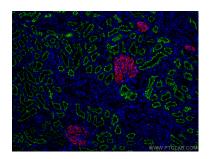




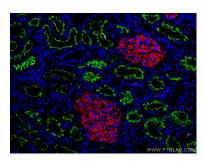
Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 21115-1-AP (ACE2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



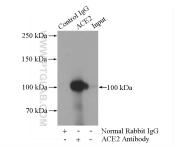
Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 21115-1-AP (ACE2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



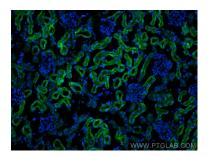
Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ACE2 antibody (21115-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), PTPRO antibody (67000-1-Ig, Clone: 2F2B4, red).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ACE2 antibody (21115-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), PTPRO antibody (67000-1-Ig, Clone: 2F2B4, red).



IP result of anti-ACE2 (IP:21115-1-AP, 5ug; Detection:21115-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse kidney tissue using ACE2 antibody (21115-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).