For Research Use Only

## ACE2 Monoclonal antibody

Catalog Number:66699-1-lg Featured Product 37 Publications



Basic Information	Catalog Number: 66699-1-1g	GenBank Accession BC048094	Number:	Purification Method: Protein G purification	
	Size:	GeneID (NCBI):		CloneNo.:	
	150ul , Concentration: 1856 ug/ml by	59272		2F12A4	
	Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: Q9BYF1		Recommended Dilutions: WB: 1:2000-1:6000 IHC: 1:1000-1:4000 IF-P: 1:200-1:800	
	Source:	Full Name:			
	Mouse	(peptidyl-dipeptidase A) 2 Calculated MW:			
	Isotype:				
	lgG1				
	Immunogen Catalog Number: AG15554	805 aa, 92 kDa			
		Observed MW: 120 kDa, 92 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF-P, ELISA Cited Applications:		WB : human testis tissue, human skeletal muscle tissue		
	WB, IHC, IF, IP		IHC : human small intestine tissue, human colon		
	Species Specificity:			tissue, human colon cancer tissue, human kidney	
	-		tissue, humai	an testis tissue	
	Cited Species:			kidney tissue, mouse testis tissue, mou	
	human, mouse, monkey h Note-IHC: suggested antigen retrieval with		heart tissue		
	<b>TE buffer pH 9.0; (*)</b> Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	critical regulator of the reninangioter found predominantly in the heart, kid (PMID:15983030). ACE2 has been sho SARS-CoV-2 (PMID: 32142651). The ex might be critical for the susceptibility 32133153). It can be used as a potenti molecular weight of ACE2 is 92kDa b	nsin system. ACE2 ha Ineys, and testes alth wn to be a functiona xpression level and out ial therapeutic targe ut it migrates to 120 e detected as 75kDa, tive splicing. This an	as a more restricted nough low levels I receptor of the h expression patter ccome of 2019-nC t of SARS-CoV-2 ( kDa due to N-gly, , 50 kDa or 37kDa titbody is specific	have been detected in a variety of tissue numan coronaviruses SARS-CoV and or of human ACE2 in different tissues oV/SARS-CoV-2 infection (PMID: PMID: 32125455). The calculated cosylation (PMID:16166094). Sometimes o (PMID: 29561187, 22009550, 30759273 : to ACE2. The location of ACE2 is	
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## Selected Validation Data



Untreated and PNGase F-treated lysates of human testis tissue were subjected to SDS PAGE followed by western blot with 66699-1-1g (ACE2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).

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Immunohistochemical analysis of paraffinembedded human small intestine tissue slide using 66699-1-Ig (ACE2 antibody) at dilution of 1:2000 (under 10x lens)..



Immunohistochemical analysis of paraffinembedded human small intestine tissue slide using 66699-1-Ig (ACE2 antibody) at dilution of 1:2000 (under 40x lens)..



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ACE2 antibody (66699-1-Ig, Clone: 2F12A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ACE2 antibody (66699-1-Ig, Clone: 2F12A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



human testis tissue were subjected to SDS PAGE followed by western blot with 66699-1-1g (ACE2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.