For Research Use Only

CAD Polyclonal antibody Catalog Number: 16617-1-AP Featured Product

Featured Product

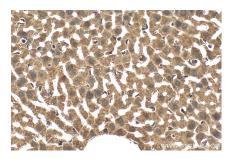




Basic Information	Catalog Number: 16617-1-AP	GenBank Accession Number: BC014178	Purification Method: Antigen affinity purification	
	Concentration:	GeneID (NCBI):	Recommended Dilutions:	
	600 µg/ml	790	WB 1:500-1:1000	
	Source:	UNIPROT ID:	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Rabbit	P27708	IHC 1:50-1:500	
	lsotype: IgG	Full Name: carbamoyl-phosphate synthetase 2,	IF/ICC 1:20-1:200	
	Immunogen Catalog Number: AG9912	aspartate transcarbamylase, and dihydroorotase		
		Calculated MW: 2225 aa, 243 kDa		
		Observed MW: 240 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IHC, IF/ICC, IP, ELISA	WB : HEK-293 cells, IP : HEK-293 cells,		
	Cited Applications: WB, IHC, IF, IP			
	Species Specificity:	IHC : human liver cancer tissue, mouse liver ti		
	human			
	Cited Species: human, mouse, pig			
	Note-IHC: suggested antige TE buffer pH 9.0; (*) Alterno retrieval may be performed buffer pH 6.0	atively, antigen		
		netase 2, aspartate transcarbamoylase, an		
Background Information	enzyme required for the de novo s the flflux through the pathway an signaling cascades (PMID:124383	synthesis of pyrimidine nucleotides (PMIC d is regulated by allosteric effectors and p 17). Moreover, CAD is found upregulated ause of a severe infantile epileptic diseas	0:25422319). CAD initiates and contro phosphorylations through different in tumors, while mutations that	
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

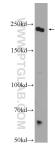
Selected Validation Data



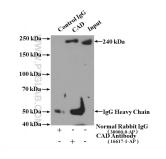
Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 16617-1-AP (CAD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



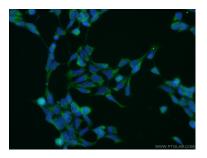
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 16617-1-AP (CAD antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16617-1-AP (CAD Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-CAD (IP:16617-1-AP, 4ug; Detection:16617-1-AP 1:500) with HEK-293 cells lysate 2800ug.



Immunofluorescent analysis of HEK-293 cells using 16617-1-AP (CAD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).