For Research Use Only

AK2 Polyclonal antibody Catalog Number: 11014-1-AP 9 Publications

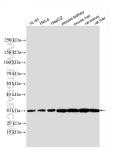
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 11014-1-AP	GenBank Accession N BC009405	lumber:	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):		Recommended Dilutions:	
	150ul , Concentration: 1300 ug/ml by			WB 1:1000-1:4000	
	Nanodrop;	UNIPROT ID: P54819 Full Name: adenylate kinase 2		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:50-1:500	
	Source:				
	Rabbit				
	Isotype: IgG Immunogen Catalog Number: AG1464				
		Calculated MW:			
		26 kDa			
		Observed MW: 26 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF/ICC, IP, ELISA			cells, HeLa cells, HepG2 cells, mouse	
	Cited Applications: WB, IHC, IF		kidney tissue, mouse liver tissue, rat kidney tis liver tissue		
	Species Specificity:		IP : mouse liv	er tissue,	
	human, mouse, rat		IHC : human p	ancreas cancer tissue,	
	Cited Species: human, mouse, zebrafish	IF/ICC : HepG2 cells,		2 cells,	
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0				
Background Information	AK2(Adenylate kinase 2, mitochondri plays a unique role in energy metabo cytoplasma matrix and the mitochon differentiation(PMID:23020757). AK2 AMP(PMID:19043417). Defects in AK2 produced by alternative splicing.	lism and energy trans dria and it is increased catalyzes the reversib	fer by regulating expression dur le transfer of a p	g the ATP/ADP rate between the ing adipocyte and B cell	
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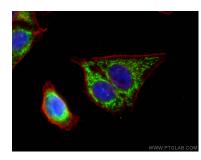
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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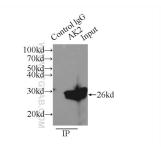
Selected Validation Data



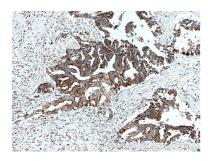
Various lysates were subjected to SDS PAGE followed by western blot with 11014-1-AP (AK2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



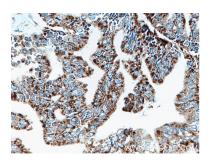
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using AK2 antibody (11014-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-AK2 (IP:11014-1-AP, 3ug; Detection:11014-1-AP 1:800) with mouse liver tissue lysate 12500ug.



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 11014-1-AP (AK2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 11014-1-AP (AK2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).