For Research Use Only

VRK2 Polyclonal antibody Catalog Number:12946-1-AP Featured Product

Featured Product





Basic Information	Catalog Number: 12946-1-AP	GenBank Accession Number: BC027854		Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG4019	GeneID (NCBI): 7444 UNIPROT ID: Q86Y07 Full Name: vaccinia related kinase Calculated MW: 508 aa, 58 kDa Observed MW: 50 kDa	2	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500	
Applications	Tested Applications:		Positive Controls: WB : HepG2 cells, human liver tissue, mouse skeletal muscle tissue, K-562 cells, U2OS cells, BxPC-3 cells		
	WB, IHC, IP, ELISA Cited Applications:				
	WB, IHC Species Specificity:	IP : K-562 cells,			
	human, mouse, rat		IHC : human stomach tissue,		
	Cited Species: human, mouse				
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	main splice variants: VRK2A and VRK several key biological functions. It is particularly crucial in cancer biology cancer cells, suggesting that this kina	bliferation, and DNA dam (2B, with VRK2A being the known to enhance cell s . The overexpression of V ase may play a role in the nproved survival rates in	age response e predominar urvival by ac /RK2 has been erapeutic resp	significant role in various cellular . The VRK2 gene is known to produce to tt form in humans. VRK2 is involved in ting as an anti-apoptotic factor, which i linked to increased drug sensitivity ir ponses. Additionally, high levels of VR groups of astrocytomas, a type of brain	
Notable Publications	Author Pu	bmed ID Journa	ι	Application	
Notable Publications		bmed ID Journa 173553 Int J Bi		Application WB	
Notable Publications	Jionghuang Chen 35		ol Sci		
Notable Publications	Jionghuang Chen 35 Yanwei Lu 33	173553 Int J Bi	ol Sci ene	WB	
Notable Publications Storage	Jionghuang Chen 35 Yanwei Lu 33	173553 Int J Bi 420362 Oncog 452335 BMC M ter shipment.	ol Sci ene	WB	

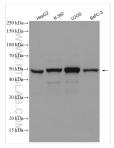
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in USA), or 1(312) 455-8498 (outside USA)

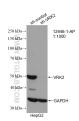
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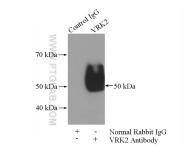
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12946-1-AP (VRK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of VRK2 antibody (12946-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VRK2 transfected HepG2 cells.



IP result of anti-VRK2 (IP:12946-1-AP, 4ug; Detection:12946-1-AP 1:500) with K-562 cells lysate 3600ug.



Immunohistochemical analysis of paraffinembedded human normal stomach slide using 12946-1-AP (VRK2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).