For Research Use Only

## PERK/EIF2AK3 Polyclonal antibody

Catalog Number:24390-1-AP

Featured Product 126 Publications



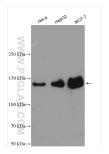
Basic Information	Catalog Number: 24390-1-AP	GenBank Accession Number: BC126354	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):	Recommended Dilutions:
	150ul , Concentration: 600 ug/ml by	9451	WB: 1:500-1:3000
	Nanodrop;	UNIPROT ID:	IHC: 1:50-1:500
	Source:	Q9NZJ5	FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension
	Rabbit	Full Name:	
	Isotype: IgG	eukaryotic translation initiation factor 2-alpha kinase 3	
	Immunogen Catalog Number: AG18254	Calculated MW: 1116 aa, 125 kDa	
		Observed MW: 140 kDa	
Applications	Tested Applications:	Positive Controls:	
			a cells, HepG2 cells, MCF-7 cells
	Cited Applications: IHC : I WB, IHC, IF		nan liver cancer tissue,
	Species Specificity: human	FC (Intra) : HeLa cells,	
	Cited Species:		
	human, mouse, rat, pig, chicken, bovine, sheep		
	retrieval may be performed w	uith citrate	
	buffer pH 6.0	in chuice	
Background Information	buffer pH 6.0 PERK, also named as EIF2AK3 or PEK, GCN2 subfamily. It acts as a metabol eukaryotic translation initiation fact EIF2AK4 also have a functional role of established roles as stress kinases (P	belongs to the protein kinase sup ic-stress sensing protein kinase th or 2 (EIF251/eIF-2-alpha) in respo on regulating translation under no MID: 21638082). Defects in EIF2A s of PERK is 125 kDa and can be de	nat phosphorylates the alpha subunit of nse to various stress conditions. PERK and n-stressed conditions, apart from their long K3 are the cause of Wolcott-Rallison etected as 140 kDa or 170kDa due to some
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

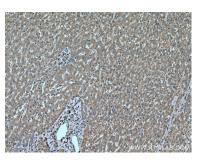
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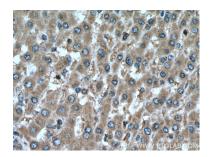
## Selected Validation Data



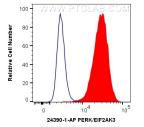
Various lysates were subjected to SDS PAGE followed by western blot with 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:200 (under 10x lens)..



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:200 (under 40x lens)..



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human PERK/EIF2AK3 (24390-1-AP) and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).