For Research Use Only

PGAM5 Polyclonal antibody Catalog Number: 28445-1-AP 18 Publications



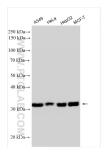
Basic Information	Catalog Number: 28445-1-AP	GenBank Accession I BC008196	Number:	Purification Metho Antigen affinity p		
	Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 192111 UNIPROT ID:		Recommended Di WB 1:2000-1:1400 IHC 1:1000-1:400	lutions: 00	
	Source: Rabbit	Q96HS1 Full Name:		IF/ICC 1:200-1:80	0	
	lsotype: IgG	phosphoglycerate m member 5	utase family			
	Immunogen Catalog Number: AG28195	Calculated MW: 32 kDa				
		Observed MW: 32 kDa				
Applications	Tested Applications: WB, IHC, IF/ICC, ELISA		Positive Controls:			
	Cited Applications:	ed Applications: IHC : human I			lls, HeLa cells, HepG2 cells, MCF-7 cell lung cancer tissue, human breast cance	
	WB, IHC, IF, ColP Species Specificity:		tissue, human liver cancer tissue			
	Human Cited Species:					
	human, mouse, pig, goat, sheep					
	Note-IHC: suggested antigen i TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen				
Background Information	Phosphoglycerate mutase 5 (PGAM5) in the inner mitochondrial membran at Ser-637, triggers its GTPase activit stabilizing PINK1 under stress condit mitochondria. PGAM5 can be cleaved and induces mitochondrial biogenes 32 kDa.	e. Upon mitochondrial ty and promotes mitoc ions, which recruits E3 J and released to the c	dysfunction, PG/ hondrial fission. ubiquitin ligase ytoplasm throug	AM5 recruits and de PGAM5 regulates r PARKIN for degrad h PARKIN, which ac	phosphorylates Drp nitophagy by ation of the damage tivates Wnt signalin	
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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)

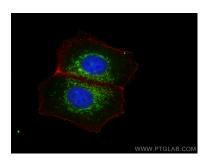
W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

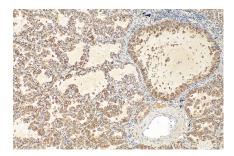
Selected Validation Data



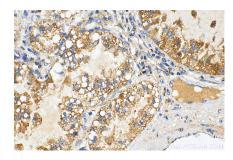
Various lysates were subjected to SDS PAGE followed by western blot with 28445-1-AP (PGAM5 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PGAM5 antibody (28445-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28445-1-AP (PGAM5 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28445-1-AP (PGAM5 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).