For Research Use Only

Phospho-PDH E1 Alpha (Ser232) Polyclonal antibody Catalog Number: 29582-1-AP 6 Publications

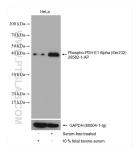


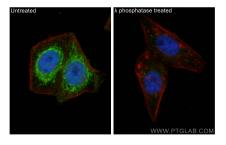
Basic Information	Catalog Number: 29582-1-AP	GenBank Accession Number: BC002406	Purification Method: Antigen affinity purification			
	Size:	GenelD (NCBI):	Recommended Dilutions:			
	100ul , Concentration: 240 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	5160 WB 1:1000-1:8000 UNIPROT ID: IF/ICC 1:50-1:500 P08559 Full Name: pyruvate dehydrogenase (lipoamide)				
					alpha 1 Calculated MW: 43 kDa	
Observed MW: 40 kDa						
Applications		Tested Applications:	Positive		Controls:	
		WB, IF/ICC, ELISA Cited Applications: WB, IF	WB : HeLa cells, Serum-free treated HeLa cells, 10 % fetal bovine serum treated HeLa cells			
		Species Specificity:	IF/ICC : λ	IF/ICC : λ phosphatase treated HepG2 cells,		
	Human					
	Cited Species:					
	human, mouse					
Background Information	human, mouse PDH E1 Alpha (PDHA1), as the major contains three serine residues (Ser23 family of four inhibitory pyruvate de Hypoxia induces the expression of P	52, Ser293, or Ser300) that can be re- hydrogenase kinases (PDHK1-4) at DHK1 and PDHK3 and hyperphosph drogenase complex (PDC), reduces	orylated and inactivated by PDHK1. PDHA1 aversibly phosphorylated by a dedicated nd two reactivating phosphatases (PDP1, 2). iorylates PDHA1. Phosphorylated PDHA1 s pyruvate entering into the tricarboxylic acid t and promotes tumorigenesis.			
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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 E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data





10 % fetal bovine serum treated HeLa cells and Serum-free treated HeLa cells were subjected to SDS PAGE followed by western blot with 29582-1-AP (Phospho-PDH E1 Alpha (Ser232) antibody) at dilution of 1:4000 incubated at room temperature for 1 hours. The membrane was stripped and reblotted with GAPDH antibody as loading control. Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated HepG2 cells using Phospho-PDH E1 Alpha (Ser232) antibody (29582-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).