For Research Use Only

Phospho-PDH E1 Alpha (Ser232) Polyclonal antibody

Catalog Number:29582-1-AP

4 Publications

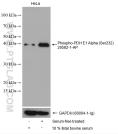


Basic Information	Catalog Number: 29582-1-AP	GenBank Accession Number: BC002406	Purification Method: Antigen affinity purific	cation
	Size: 100ul , Concentration: 240 µg/ml by	GenelD (NCBI): 5160	Recommended Dilutio WB 1:1000-1:8000	ons:
	Nanodrop; Source: Rabbit	Full Name: pyruvate dehydrogenase (lip alpha 1	IF 1:50-1:500 oamide)	
	Isotype: IgG	Calculated MW: 43 kDa		
		Observed MW: 40 kDa		
Applications	Tested Applications:	Positive Controls:		
	IF, WB, ELISA Cited Applications:		WB : HeLa cells, Serum-free treated HeLa cells, 10 % fetal bovine serum treated HeLa cells	
	IF, WB Species Specificity:	IF : λ phosphatase treated HepG2 cells,		
	Human			
	Cited Species: human, mouse			
Background Information	human, mouse	52, Ser293, or Ser300) that can t hydrogenase kinases (PDHK1-/ DHK1 and PDHK3 and hyperpho drogenase complex (PDC), red	e reversibly phosphorylated by 4) and two reactivating phospha sphorylates PDHA1. Phosphoryl uces pyruvate entering into the	r a dedicated Itases (PDP1, 2). Lated PDHA1 tricarboxylic aci
	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 inactivates the whole pyruvate dehy (TCA) cycle for oxidative phosphoryl (PMID: 30993888, PMID: 34749809)	52, Ser293, or Ser300) that can t hydrogenase kinases (PDHK1-/ DHK1 and PDHK3 and hyperpho drogenase complex (PDC), red	e reversibly phosphorylated by 4) and two reactivating phospha sphorylates PDHA1. Phosphoryl uces pyruvate entering into the ffect and promotes tumorigenes	r a dedicated Itases (PDP1, 2). Lated PDHA1 tricarboxylic aci
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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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).