

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-PDH E1 Alpha (Ser300)



Numéro de catalogue: 29583-1-AP

Informations de base

Numéro de catalogue: 29583-1-AP	Numéro d'acquisition GenBank: BC002406	Méthode de purification: Purification par affinité contre l'antigène
Taille: 100ul , Concentration: 450 µg/ml by Nanodrop;	Identification du gène (NCBI): 5160	Dilutions recommandées: WB 1:2000-1:14000
Hôte: Lapin	Nom complet: pyruvate dehydrogenase (lipoamide) alpha 1	
Isotype: IgG	MW calculé 43 kDa	
	MW observés: 40 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : Serum-free treated HeLa cells, 10 % fetal bovine serum treated HeLa cells
Spécificité de l'espèce: Humain	

Informations générales

PDH E1 Alpha (PDHA1), as the major component of PDH, can be phosphorylated and inactivated by PDHK1. PDHA1 contains three serine residues (Ser232, Ser293, or Ser300) that can be reversibly phosphorylated by a dedicated family of four inhibitory pyruvate dehydrogenase kinases (PDHK1-4) and two reactivating phosphatases (PDP1, 2). Hypoxia induces the expression of PDHK1 and PDHK3 and hyperphosphorylates PDHA1. Phosphorylated PDHA1 inactivates the whole pyruvate dehydrogenase complex (PDC), reduces pyruvate entering into the tricarboxylic acid (TCA) cycle for oxidative phosphorylation, enhances the Warburg effect and promotes tumorigenesis. (PMID: 30993888, PMID: 34749809)

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

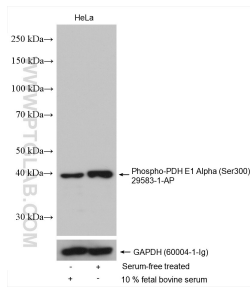
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



10 % fetal bovine serum treated HeLa cells and Serum-free treated HeLa cells were subjected to SDS PAGE followed by western blot with 29583-1-AP (Phospho-PDH E1 Alpha (Ser300) antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.