

产品名称: Phospho-Pyruvate Dehydrogenase E1-alpha subunit Rabbit Monoclonal Antibody
产品货号: AMRe87115



产品概述 (Summary)

产品名称 (Production Name)	Phospho-Pyruvate Dehydrogenase E1-alpha subunit Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	Phospho-Pyruvate Dehydrogenase E1-alpha subunit
别名 (Alternative Names)	PDHA; PDHAD; PHE1A; PDHCE1A
基因 ID (Gene ID)	5160
蛋白 ID (SwissProt ID)	P08559.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:100-1:200,IP 1:10-1:100
蛋白分子量 (Molecular Weight)	Calculated MW:43 kDa; Observed MW:43 kDa

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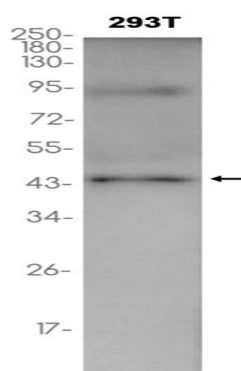


研究背景 (Background)

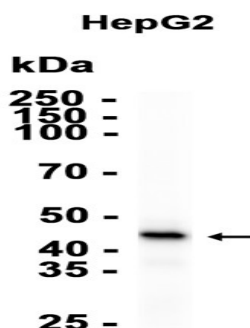
The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function of the PDH complex. Mutations in this gene are associated with pyruvate dehydrogenase E1-alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of extracts from 293T cells using AMRe87115 at 1:1000.



Western blot analysis of extracts from HepG2 cells using AMRe87115 at 1:1000.

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注意事项 (Note)

For research use only .