

For Research Use Only

CoraLite® Plus 488-conjugated PDH E1 Alpha Monoclonal antibody



Catalog Number: CL488-66119

Featured Product

Basic Information

Catalog Number: CL488-66119	GenBank Accession Number: BC002406	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5160	CloneNo.: 2B3C10
Source: Mouse	Full Name: pyruvate dehydrogenase (lipoamide) alpha 1	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2a	Calculated MW: 43 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG12556	Observed MW: 43 kDa	

Applications

Tested Applications:
WB

Positive Controls:

WB : HepG2 cells, HEK-293 cells

Species Specificity:
human

Background Information

PDHA1(Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial) is also named as PHE1A.It is one of the 3 enzymes of the pyruvate dehydrogenase complex which is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA(PMID:7853374).It has 4 isoforms produced by alternative splicing.Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

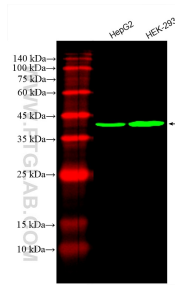
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech 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 CL488-66119 (PDH E1 Alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.