Pyruvate Dehydrogenase E1 beta subunit Conjugated Antibody

Catalog No: #C49646

Orders: order@signalwayantibody.com
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Package Size: #C49646-AF350 100ul #C49646-AF405 100ul #C49646-AF488 100ul #C49646-AF555 100ul #C49646-AF594 100ul #C49646-AF647 100ul #C49646-AF680 100ul #C49646-AF750 100ul #C49646-Biotin 100ul

Description

Product Name	Pyruvate Dehydrogenase E1 beta subunit Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DKFZp564K0164 antibody mitochondrial antibody ODPB_HUMAN antibody pdhB antibody PDHBD antibody PDHE1 B antibody PDHE1-B antibody PHE1B antibody Pyruvate dehydrogenase (lipoamide) beta antibody Pyruvate dehydrogenase E1 beta polypeptide antibody Pyruvate dehydrogenase E1 component subunit beta antibody Pyruvate dehydrogenase E1 component subunit beta mitochondrial antibody
Accession No.	Swiss-Prot#:P11177
Uniprot	P11177
GeneID	5162;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO. It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). Defects in PDHB are a cause of pyruvate dehydrogenase E1 component deficiency (PDHE1 deficiency). PDHE1 deficiency is the most common enzyme defect in patients with primary lactic acidosis. It is associated with variable clinical phenotypes ranging from neonatal death to prolonged survival complicated by developmental delay, seizures, ataxia, apnea, and in some cases to an X-linked form of Leigh syndrome (LS) (Leigh encephalomyelopathy).

Note: This product is for in vitro research use only