

CABP1022

Product Information

Product SKU:	CABP1022	Gene ID:	5160	Size:	20uL, 100uL
Clone No:	ARC53489	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	43kDa	Conjugate:	Unconjugated
Calculated MW:	43kDa	Isotype:	IgG

Immunogen Information

Background:	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), 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.
Recommended Dilution:	WB,1:2000 - 1:20000 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Synonyms:	PDHA; PDHAD; PHE1A; E1alpha; PDHCE1A; Phospho-PDHA1-S293
Purification Method:	Affinity purification
Immunogen:	A synthetic phosphorylated peptide around S293 of human PDHA1 (P08559).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.