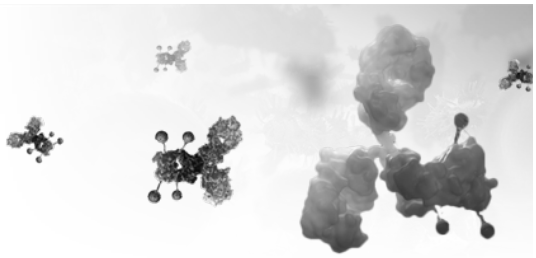

Rabbit Anti-Human PDH monoclonal antibody, clone T.086.7 (CABT-L1560)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Pyruvate Dehydrogenase
Immunogen	Synthetic peptide corresponding to the sequence of human pyruvate dehydrogenase
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	T.086.7
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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

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	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.
Keywords	E1;Pyruvate Dehydrogenase;pyruvate dehydrogenase (acetyl-transferring)

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