9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

PDHA1 (phospho S293) polyclonal antibody (HRP)

Catalog Number: PAB15338

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of PDHA1.

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding S293 human PDHA1.

Host: Rabbit

Reactivity: Human

Applications: WB
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This is specific to the phosphorylated Serine 293 form of the PDHE1 alpha protein. This antibody is useful for Western blot, where a band is seen ~43 KDa.

Form: Liquid

Conjugation: HRP

Recommend Usage: Western Blot (1:2500-1:5000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS

Storage Instruction: Store at 4°C. Do not freeze.

Entrez GeneID: 5160

Gene Symbol: PDHA1

Gene Alias: PDHA, PDHCE1A, PHE1A

Gene Summary: The pyruvate dehydrogenase complex 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. The PDH complex is composed of multiple copies of 3 enzymes: E1 (PDHA1); dihydrolipoyl transacetylase (DLAT; MIM 608770) (E2; EC 2.3.1.12); and dihydrolipoyl dehydrogenase (DLD; MIM 238331) (E3; EC 1.8.1.4). The E1 enzyme is a heterotetramer of 2 alpha and 2 beta subunits. The E1-alpha subunit contains the E1 active site and plays a key role in the function of the PDH complex (Brown et al., 1994 [PubMed 7853374]).[supplied by OMIM]