

# Product datasheet

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ARG57284 anti-PDHB antibody

Package: 100 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes PDHB

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PDHB

Species Human

Immunogen Recombinant protein of Human PDHB.

Conjugation Un-conjugated

Alternate Names Pyruvate dehydrogenase E1 component subunit beta, mitochondrial; PDHBD; PDHE1-B; PHE1B; EC

1.2.4.1

### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

### **Properties**

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol PDHB

Gene Full Name pyruvate dehydrogenase (lipoamide) beta

Background The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex

that catalyzes the overall conversion of pyruvate to acetyl-CoA and carbon dioxide, 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 beta subunit. Mutations in this gene are associated with pyruvate dehydrogenase E1-beta deficiency. Alternatively spliced transcript variants

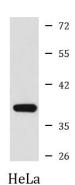
have been found for this gene. [provided by RefSeq, Mar 2012]

Function The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and

CO(2), and thereby links the glycolytic pathway to the tricarboxylic cycle. [UniProt]

Calculated Mw 39 kDa

## **Images**



#### ARG57284 anti-PDHB antibody WB image

Western blot: HeLa cell lysate stained with ARG57284 anti-PDHB antibody.