



## Pyruvate Dehydrogenase E1 $\alpha$ rabbit mAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (kD):
A23924	Rabbit		43kD
<b>Applications</b>	WB;IHC;IF;IP;ELISA		
<b>Reactivity</b>	Human; Mouse; Rat		
<b>Dilution</b>	IHC 1:200-1:1000, WB 1:1000-1:5000, IF 1:200-1:1000, ELISA 1:5000-1:20000, IP 1:50-1:200,		
<b>Storage</b>	-20°C/1 year		
<b>Specificity</b>	endogenous		
<b>Source / Purification</b>	Protein A		
<b>Immunogen</b>			
<b>Uniprot No</b>	P08559		
<b>Alternative names</b>	PDHA1 ODP A		
<b>Form</b>			
<b>Clonality</b>			
<b>Isotype</b>			
<b>Conjugation</b>			
<b>Background</b>	<p>The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO<sub>2</sub>, 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.[provided by RefSeq, Mar 2010]</p>		
<b>Other</b>	PDHA1;PHE1A;Pyruvate dehydrogenase E1 component subunit alpha; somatic form, mitochondrial;PDHE1-A type I		



## Product Images

### Application Key:

W-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

### Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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### Regulatory Disclaimer

*For life science research only. Not for use in diagnostic procedures.*

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