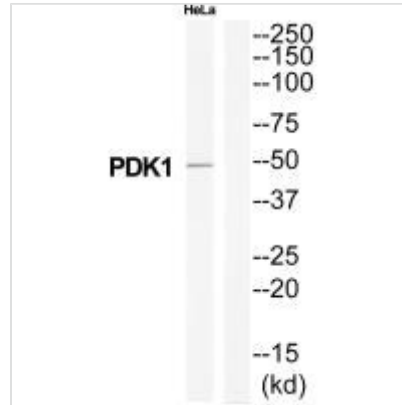




PDK1 Antibody

Product Code	CSB-PA296362
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q15118
Immunogen	Synthesized peptide derived from Internal of Human PDK1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total PDK1 protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	<p>Serine/threonine kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.</p> <p>Gudi R., J. Biol. Chem. 270:28989-28994(1995). Ota T., Nat. Genet. 36:40-45(2004). Burkard T.R., BMC Syst. Biol. 5:17-17(2011).</p>
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial; mitochondrial pyruvate dehydrogenase; lipoamide; kinase isoenzyme 1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	PDK1
Image	



Western blot analysis of extracts from HeLa cells, using PDK1 antibody.