

Anti-PDK1 Antibody (clone 4A11)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18408**Specification**

Anti-PDK1 Antibody (clone 4A11) - Product Information

Application	WB, IHC-P, IF, ICC, E, FC
Primary Accession	Q15118
Predicted	Human, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	49244

Anti-PDK1 Antibody (clone 4A11) - Additional Information**Gene ID** 5163

Alias Symbol	PDK1
Other Names	
PDK1, PDHK, PDH kinase 1, PDHK1	

Target/Specificity
Human PDK1**Reconstitution & Storage**
Ascites**Precautions**
Anti-PDK1 Antibody (clone 4A11) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-PDK1 Antibody (clone 4A11) - Protein Information****Name** PDK1**Synonyms** PDHK1**Function**
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.**Cellular Location**

Mitochondrion matrix

Tissue Location

Expressed predominantly in the heart. Detected at lower levels in liver, skeletal muscle and pancreas

Anti-PDK1 Antibody (clone 4A11) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PDK1 Antibody (clone 4A11) - Images