

Product datasheet for **AM06566SU-N**

PDK1 Mouse Monoclonal Antibody [Clone ID: 4A11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4A11
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow Cytometry: 1/200 - 1/400. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human, Monkey, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human PDK1 expressed in E. Coli.
Specificity:	Recognizes PDK1
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	44 kDa
Gene Name:	pyruvate dehydrogenase kinase 1
Database Link:	Entrez Gene 5163 Human Q15118



[View online »](#)

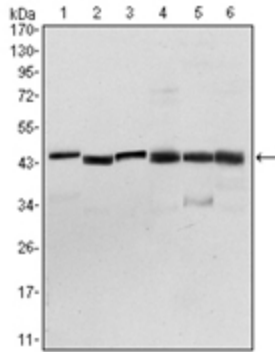
Background:

Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. (provided by RefSeq). Tissue specificity: Expressed predominantly in the heart.

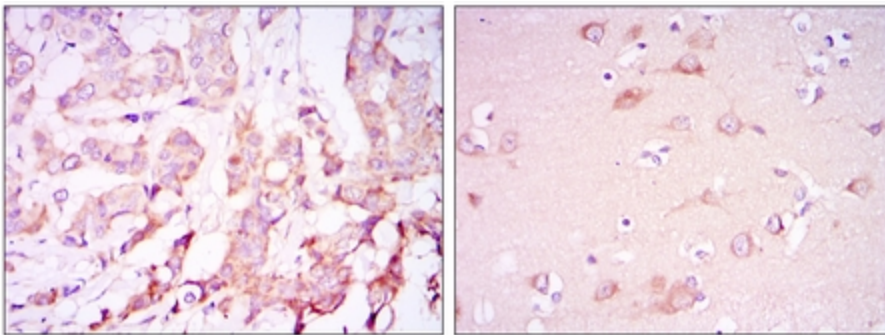
Synonyms:

Pyruvate dehydrogenase kinase isoform 1

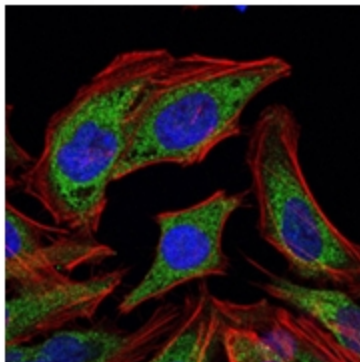
Product images:



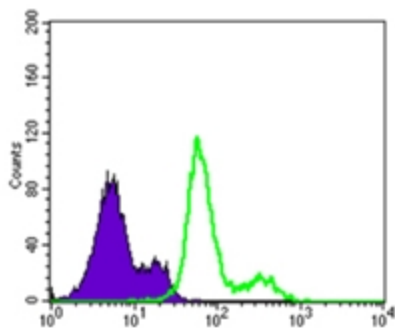
Western blot analysis using PDK1 antibody Cat.-No AM06566SU-N against NIH/3T3 (1), HeLa (2), Jurkat (3), HepG2 (4), PC-12 (5), and Cos7 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded breast cancer tissues (left) and brain tissues (right) using PDK1 antibody Cat.-No AM06566SU-N with DAB staining.



Immunofluorescence analysis of HELA cells using PDK1 antibody Cat.-No AM06566SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometric analysis of Lovo cells using PDK1 antibody Cat.-No AM06566SU-N (green) and negative control (purple).