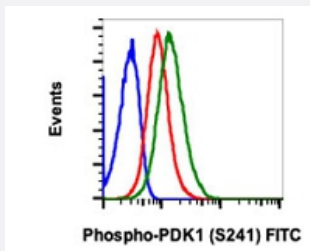


PDK1 (phospho S241) monoclonal antibody, clone F7 (FITC)

Catalog # MAB21630 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of 293T cells with PDK1 (phospho S241) monoclonal antibody, clone F7 (FITC) (Cat # MAB21630). Unstained K252a treated cells (blue) or treated with K252a (red) or with pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human PDK1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S241 of human PDK1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).
Storage Instruction	Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — PDK1

Entrez GeneID	5163
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Protein Accession#	Q15118
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Gene Name	PDK1
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Gene Alias	-
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Gene Description	pyruvate dehydrogenase kinase, isozyme 1
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Omim ID	602524
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Gene Ontology	Hyperlink
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Gene Summary	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]
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Other Designations	mitochondrial pyruvate dehydrogenase kinase isoenzyme 1 pyruvate dehydrogenase kinase, isoenzyme 1
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Pathway

- [Fc epsilon RI signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)