

PDK1 (Phospho-Tyr9) Antibody

Catalog No: #11719

Package Size: #11719-1 50ul #11719-2 100ul

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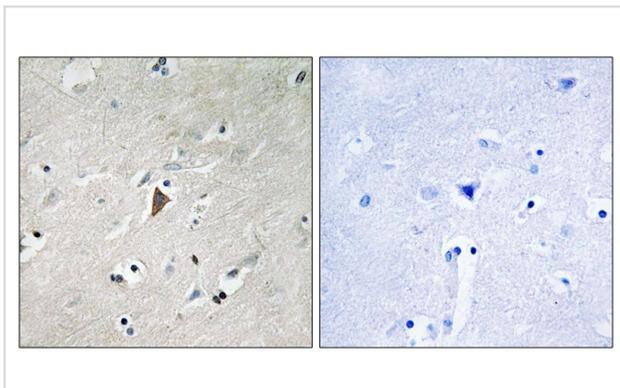
Description

Product Name	PDK1 (Phospho-Tyr9) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of PDK1 only when phosphorylated at tyrosine 9.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 9(A-L-Y(p)-D-A) derived from Human PDK1.
Target Name	PDK1
Modification	Phospho
Other Names	hPDK1; PDPK1; mPDK1; Pkb kinase;
Accession No.	Swiss-Prot#: O15530; NCBI Gene#: 5170; NCBI Protein#: NP_002604.1.
Uniprot	O15530
GeneID	5170;
SDS-PAGE MW	63kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using PDK1 (Phospho-Tyr9) antibody #11719 (left) or the same antibody preincubated with blocking peptide (right).

Background

Phosphorylates and activates not only PKB/AKT, but also PKA, PKC-zeta, RPS6KA1 and RPS6KB1. May play a general role in signaling processes and in development.

Alessi D.R., Curr. Biol. 7:261-269(1997).

Alessi D.R., Curr. Biol. 7:776-789(1997).

Stephens L.R., Science 279:710-714(1998)

Note: This product is for in vitro research use only