

Rabbit PDPK1 Monoclonal Antibody | anti-PDPK1 antibody

PDPK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30194	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

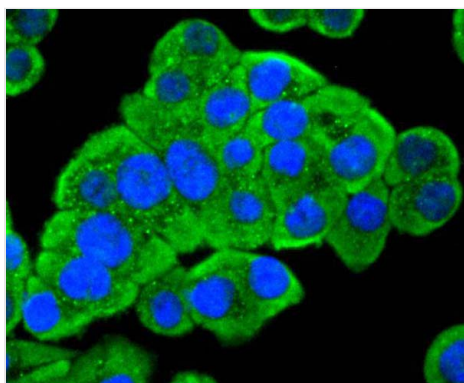
PRODUCT SYNONYMS

PDPK1; Monoclonal Antibody; PDPK1 Antibody; 3 phosphoinositide dependent protein kinase 1 antibody; 3-phosphoinositide-dependent protein kinase 1 antibody; hPDK 1 antibody; hPDK1 antibody; MGC20087 antibody; MGC35290 antibody; OTTHUMP00000159109 antibody; OTTHUMP00000159110 antibody; OTTHUMP00000174525 antibody; PDK1 antibody; Pdpk1 antibody; PDPK1_HUMAN antibody; PDPK2 antibody; PDPK2P antibody; PkB kinase antibody; PkB kinase like gene 1 antibody; PkB like 1 antibody; PRO0461 antibody; Protein kinase antibody; anti-PDPK1 antibody

PRODUCT SPECIFICATIONS

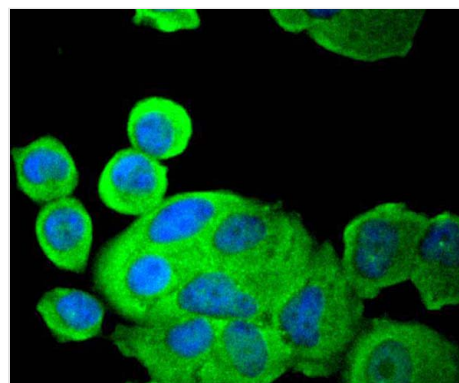
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SD204-9
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PDPK1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:100-1:500
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



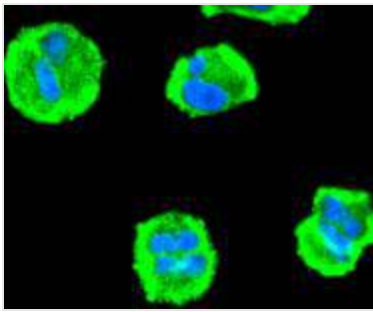
ICC (Immunocytochemistry)

ICC staining PDPK1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



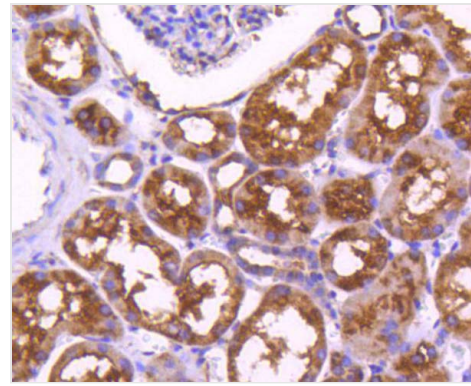
ICC (Immunocytochemistry)

ICC staining PDPK1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



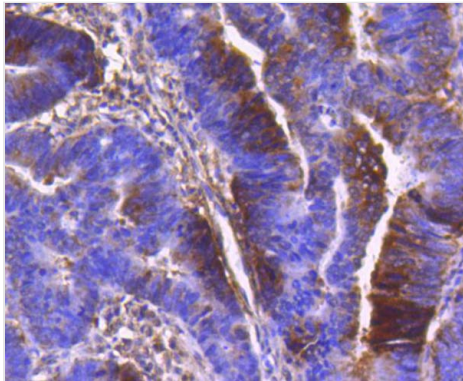
ICC (Immunocytochemistry)

ICC staining PDPK1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



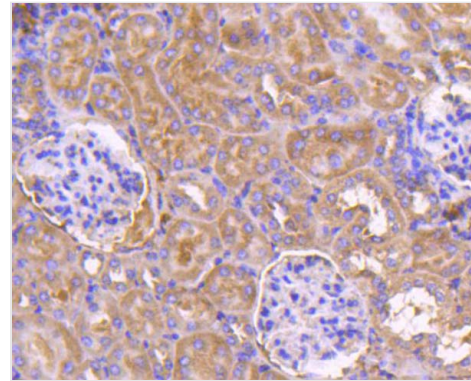
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PDPK1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-PDPK1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-PDPK1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PDPK1 antibody	PDPK1 (3-phosphoinositide dependent protein kinase 1), also known as PDK1, PDPK2, PDPK2P or PRO0461, is 556 amino acid ubiquitously expressed protein that localizes to the cell membrane, cytoplasm and nucleus. Acting as a master kinase, PDPK1 phosphorylates and activates a subgroup of the AGC family of protein kinases. PDPK1 is involved in mediating signal transduction for controlling proliferation, survival, and growth of developing pancreatic beta cells, regulating Ca ²⁺ uptake and Ca ²⁺ -activated K ⁺ channels of mast cells, regulation of chemotaxis and motility of vascular endothelial cells, cardiac homeostasis, and thymocyte development. Belonging to the protein kinase superfamily, PDPK1 contains a PH domain, which play an essential role in homodimerization, localization and nuclear import of PDPK1, and a protein kinase domain. PDPK1 exists as five alternatively spliced isoforms and is encoded by a gene located on human chromosome 16p13.3.
Product Categories/Family for anti-PDPK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	387849239
NCBI GeneID	5170
NCBI Accession #	NP_001248745.1
NCBI GenBank Nucleotide #	NM_001261816.1
UniProt Accession #	O15530 ; Q59EH6 ; Q6FI20 ; Q8IV52 ; Q9BRD5 ; H0Y4Z0 ; Q6A1A2
Molecular Weight	63,152 Da
NCBI Official Full Name	3-phosphoinositide-dependent protein kinase 1 isoform 3

NCBI Official Synonym Full Names	3-phosphoinositide dependent protein kinase-1
NCBI Official Symbol	PDPK1
NCBI Official Synonym Symbols	PDK1; PDPK2; PRO0461
NCBI Protein Information	3-phosphoinositide-dependent protein kinase 1; PkB-like 1; PkB kinase like gene 1
UniProt Protein Name	3-phosphoinositide-dependent protein kinase 1
UniProt Gene Name	PDPK1
UniProt Synonym Gene Names	PDK1; hPDK1
UniProt Entry Name	PDPK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdpk1-antibody-clone-sd204-9-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/30194>