Datasheet for ABIN3022352

anti-PDPK1 antibody (AA 150-429)

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Overview

Quantity:	100 µL
Target:	PDPK1
Binding Specificity:	AA 150-429
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 150-429 of human PDK1/PDPK1 (NP_112558.2).
Sequence:	AGLPPFRAGN EYLIFQKIIK LEYDFPEKFF PKARDLVEKL LVLDATKRLG CEEMEGYGPL KAHPFFESVT WENLHQQTPP KLTAYLPAMS EDDEDCYGNY DNLLSQFGCM QVSSSSSSHS LSASDTGLPQ RSGSNIEQYI HDLDSNSFEL DLQFSEDEKR LLLEKQAGGN PWHQFVENNL ILKMGPVDKR KGLFARRRQL LLTEGPHLYY VDPVNKVLKG EIPWSQELRP EAKNFKTFFV HTPNRTYYLM DPSGNAHKWC RKIQEVWRQR YQSHPDAAVQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PDPK1
Alternative Name:	PDPK1 (PDPK1 Products)
Background:	PDPK1 (3-phosphoinositide dependent protein kinase 1) is a protein-coding gene. GO annotations related to this gene include protein serine/threonine kinase activity and insulin receptor binding.,PDPK1,PDK1,PDPK2,PDPK2P,PRO0461,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,PI3K-Akt Signaling Pathway,mTOR Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Cytoskeleton,Microfilaments,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Immunology & Inflammation,T Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,Neuroscience,PDPK1
Molecular Weight:	48 kDa/50 kDa/58 kDa/60 kDa/63 kDa
Gene ID:	5170
UniProt:	O15530
Pathways:	PI3K-Akt Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Regulation of Cell Size, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

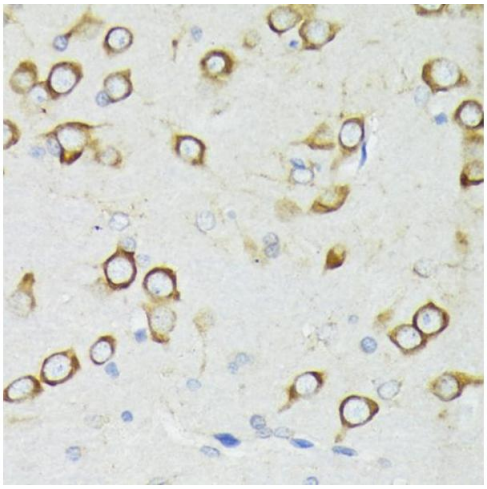
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

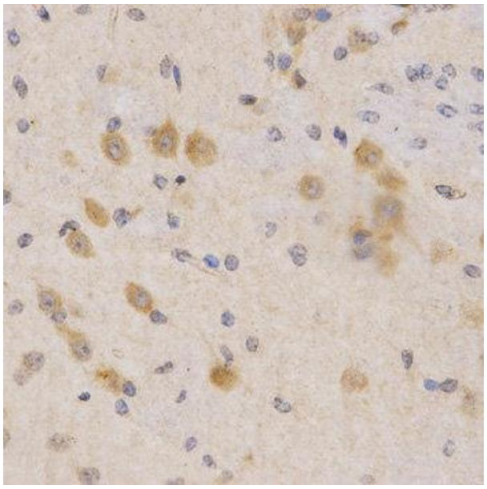
Product cited in: Zhang, Yu, Chu, Wang, Xiong, Cai, Liu, Gao, Tao, Li, Li, Liang, Yang: "Macrophage-Associated PGK1 Phosphorylation Promotes Aerobic Glycolysis and Tumorigenesis." in: **Molecular cell**, Vol. 71, Issue 2, pp. 201-215.e7, (2018) (PubMed).

Images



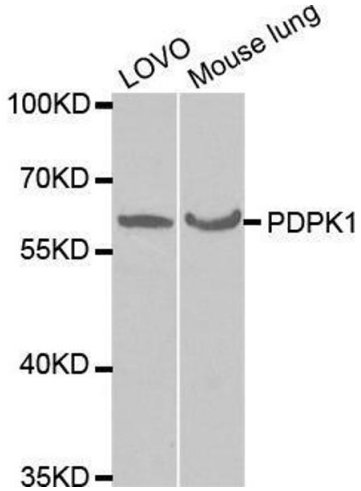
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat brain using PDPK1 antibody (ABIN3022351, ABIN3022352, ABIN3022353, ABIN1681308 and ABIN6218755) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PDPK1 antibody.

Images

Please check the product details page for more images. Overall 7 images are available for ABIN3022352.