

Mouse anti-Human PDHK2 Monoclonal Antibody | anti-PDHK2 antibody

PDHK2 [Pyruvate Dehydrogenase [Lipoamide]] Kinase Isozyme 2, Mitochondrial, Pyruvate Dehydrogenase Kinase Isoform 2, PDH Kinase 2, PDKII, PDK2) (PE)

CATALOG # AAA25785	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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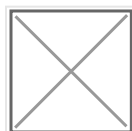
PRODUCT SYNONYMS

PDHK2; Monoclonal Antibody; PDHK2 [Pyruvate Dehydrogenase [Lipoamide]] Kinase Isozyme 2; Mitochondrial; Pyruvate Dehydrogenase Kinase Isoform 2; PDH Kinase 2; PDKII; PDK2) (PE); anti-PDHK2 antibody

PRODUCT SPECIFICATIONS

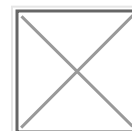
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2G1
Specificity	Recognizes human PDK2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-PDHK2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 0.8ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa187-276 from human PDK2 (AAH05811) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	HIGSIDPNCNVSEVVKDAYDMAKLLCDKYMASPDLEIQEINAANSKQPIHVMVYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVM
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES



WB (Western Blot)

Western blot analysis of PDK2 over-expressed 293 cell line, cotransfected with PDK2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with PDK2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data

Detection limit for recombinant GST tagged PDK2 is ~0.3ng/ml as a capture antibody.

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to PDK2 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 0.8ug/ml]

**WB (Western Blot)**

Western Blot analysis of PDK2 expression in transfected 293T cell line by PDK2 monoclonal antibody. Lane 1: PDK2 transfected lysate (46.2kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**

PDK2 monoclonal antibody Western Blot analysis of PDK2 expression in U-2 OS.

**WB (Western Blot)**

Western Blot detection against Immunogen (35.31kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-PDHK2 antibody

[Antibodies](#); [Enzymes](#); [Dehydrogenase](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38197017
NCBI GeneID	5164
UniProt Accession #	Q15119; Q6P515; Q9BS05; A8K3A7; B3KNW0
Molecular Weight	38,864 Da
NCBI Official Full Name	Homo sapiens pyruvate dehydrogenase kinase, isozyme 2, mRNA
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 2
NCBI Official Symbol	PDK2
NCBI Official Synonym Symbols	PDHK2; PDKII
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 2
UniProt Protein Name	[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 2, mitochondrial
UniProt Gene Name	PDK2
UniProt Synonym Gene Names	PDHK2; PDH kinase 2; PDKII
UniProt Entry Name	PDK2_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/pdhk2-antibody-clone-2g1-immunohistochemistry-western-blot-elisa/25785>