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) (HRP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25489	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

PDHK2; Monoclonal Antibody; PDHK2 [Pyruvate Dehydrogenase [Lipoamide]] Kinase Isozyme 2; Mitochondrial; Pyruvate Dehydrogenase Kinase Isoform 2; PDH Kinase 2; PDKII; PDK2) (HRP); 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 horseradish peroxidase (HRP).
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	HIGSIDPNCNVSEVVKDAYDMAKLLCDKYYMASPDLEIQEINAANSKQPIHMVYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVM
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and 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/25489