

Rabbit anti-Human, Mouse PDK4 Polyclonal Antibody | anti-PDK4 antibody

PDK4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302202	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

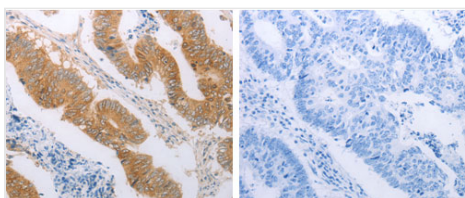
PRODUCT SYNONYMS

PDK4; Polyclonal Antibody; PDK4 Antibody; Pyruvate dehydrogenase kinase; isozyme 4; anti-PDK4 antibody

PRODUCT SPECIFICATIONS

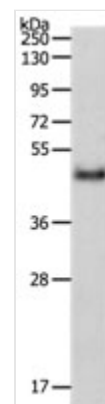
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PDK4 protein.
Form/Format	Supplied at 1.6mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	411
Applicable Applications for anti-PDK4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 101-113 amino acids of Human pyruvate dehydrogenase kinase, isozyme 4
Target Name	PDK4
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using 31258 (PDK4 Antibody) at dilution 1/50, on the right is treated with the synthetic peptide.



Application Data

Gel: 10%SDS-PAGE Lysate: 60 ug Mouse pancreas tissue lysate Primary antibody: 1/700 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 2 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-PDK4 antibody	This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.
Product Categories/Family for anti-PDK4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505693
NCBI GeneID	5166
NCBI Accession #	NP_002603
NCBI GenBank Nucleotide #	NM_002612.3
Molecular Weight	46,469 Da
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 4
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 4
NCBI Official Symbol	PDK4
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 4
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial
UniProt Gene Name	PDK4
UniProt Synonym Gene Names	PDHK4
UniProt Entry Name	PDK4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdk4-antibody-immunohistochemistry-western-blot-elisa/302202>