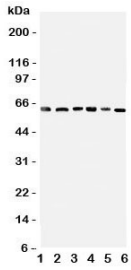
PDK1 Antibody / Pyruvate dehydrogenase kinase 1 (R31100)

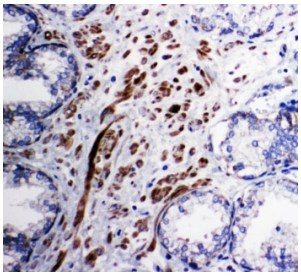
Catalog No.	Formulation	Size
R31100	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q15118
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This PDK1 antibody is available for research use only.



Western blot testing of PDK1 antbody on Lane 1: rat heart; 2: (r) skeletal muscle; and human samples 3: HeLa; 4: M231; 5: COLO320; 6: SW620 cell lysate. Predicted molecular weight ~49 kDa, observed here at ~64 kDa.



IHC-P: PDK1 antibody testing of human prostatic cancer tissue

Description

Pyruvate dehydrogenase kinase isoenzyme 1, is an enzyme that in humans is encoded by the PDK1 gene. To find human PDKs, Gudi et al.(1995) used oligonucleotide primers to screen a human liver cDNA library by PCR. They identified and reported the deduced amino acid sequences of PDK1, PDK2, and PDK3. Northern blot analysis showed that the PDK1 message was expressed predominantly in the heart.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PDK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Pyruvate dehydrogenase kinase isoenzyme 1 (WKHYNTNHEADDWC) was used as the immunogen for this PDK1 antibody.

Storage

After reconstitution, the PDK1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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