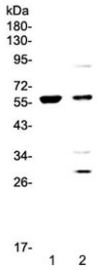
PDK1 Antibody / Pyruvate Dehydrogenase Kinase 1 (RQ4285)

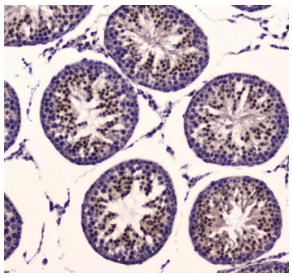
Catalog No.	Formulation	Size
RQ4285	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

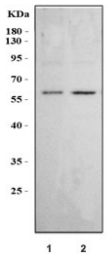
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q15118
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This PDK1 antibody is available for research use only.



Western blot testing of 1) human COLO-320 and 2) human PANC-1 cell lysate with PDK1 antibody at 0.5ug/ml. Predicted molecular weight ~49 kDa.



IHC testing of FFPE rat testis tissue with PDK1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) human HeLa and 2) human HepG2 cell lysate with PDK1 antibody at 0.5ug/ml. Predicted molecular weight ~49 kDa.

Description

PDK1 (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. The human PDK1 gene encodes a protein with a predicted molecular mass of 49,244 Da that shares 93% identity with that of the rat PDK1 gene. Northern blot analysis showed that the PDK1 message was expressed predominantly in the heart.

Application Notes

Optimal dilution of the PDK1 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids V107-Y336 was used as the immunogen for the 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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