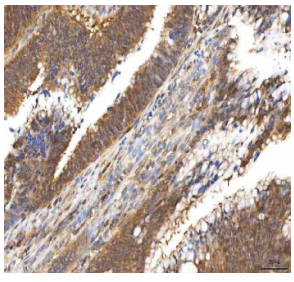
Pyridoxal kinase Antibody / PDXK (RQ8732)

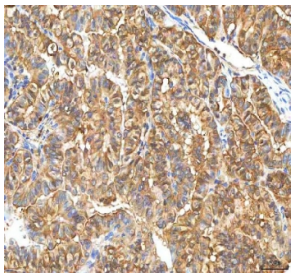
Catalog No.	Formulation	Size
RQ8732	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

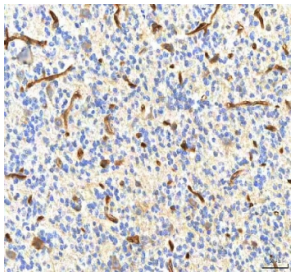
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O00764
Localization	Cytoplasm
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This Pyridoxal kinase antibody is available for research use only.



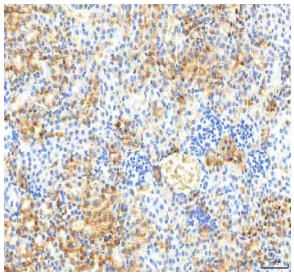
IHC staining of FFPE human colon adenocarcinoma tissue with Pyridoxal kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



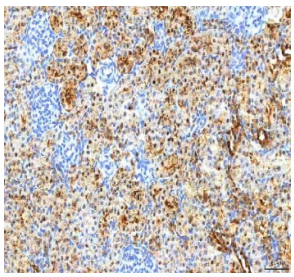
IHC staining of FFPE human thyroid papillary carcinoma tissue with Pyridoxal kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



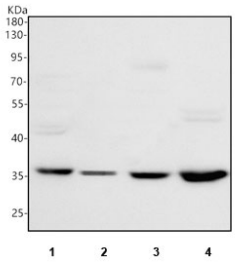
IHC staining of FFPE human glioblastoma tissue with Pyridoxal kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



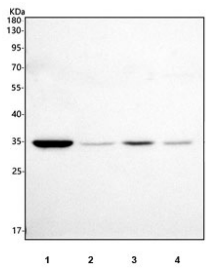
IHC staining of FFPE mouse kidney tissue with Pyridoxal kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



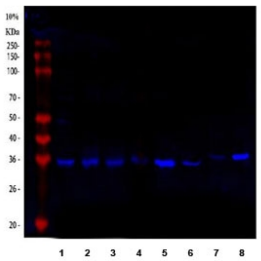
IHC staining of FFPE rat kidney tissue with Pyridoxal kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



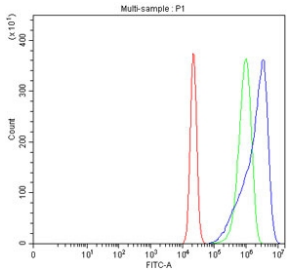
Western blot testing of human 1) HeLa, 2) 293T, 3) A549 and 4) SiHa cell lysate with Pyridoxal kinase antibody. Predicted molecular weight ~35 kDa.



Western blot testing of 1) rat kidney, 2) mouse testis, 3) mouse kidney and 4) mouse RAW264.7 cell lysate with Pyridoxal kinase antibody. Predicted molecular weight ~35 kDa.



Western blot testing of 1) human HeLa, 2) human RT4, 3) human A549, 4) rat kidney, 5) rat brain, 6) mouse brain and 7) mouse kidney tissue lysate with Pyridoxal kinase antibody. Predicted molecular weight ~35 kDa.



Flow cytometry testing of fixed and permeabilized human RT4 cells with Pyridoxal kinase antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Pyridoxal kinase antibody.

Description

Pyridoxal kinase is an enzyme that in humans is encoded by the PDXK gene. The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Application Notes

Optimal dilution of the Pyridoxal kinase antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids H13-E280) was used as the immunogen for the Pyridoxal kinase antibody.

Storage

After reconstitution, the Pyridoxal kinase 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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