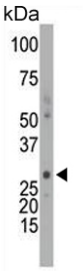
Deoxycytidine kinase Antibody / DCK (F54908)

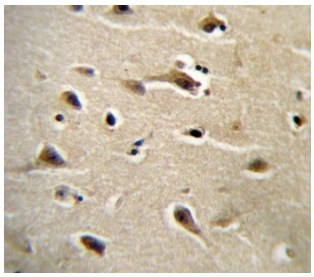
Catalog No.	Formulation	Size
F54908-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54908-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

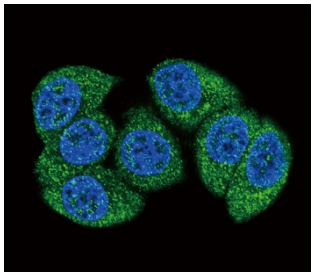
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P27707
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:500-1:1000 Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:10-1:50
Limitations	This Deoxycytidine kinase antibody is available for research use only.



Western blot testing of mouse intestine tissue lysate with Deoxycytidine kinase antibody. Predicted molecular weight ~31 kDa.



IHC testing of FFPE human brain tissue with Deoxycytidine kinase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with Deoxycytidine kinase antibody (green) and DAPI nuclear stain (blue).

Description

Deoxycytidine kinase is responsible for the phosphorylation of several deoxyribonucleosides and their analogs. Deficiency of this enzyme activity is associated with resistance to antiviral and anticancer chemotherapeutic agents, whereas increased enzyme activity is associated with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives. It is the rate limiting enzyme in the activation of many important anticancer and retroviral drugs and its activity is often decreased in cells that are resistant to cytosine arabinoside.

Application Notes

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

Immunogen

A portion of amino acids 171-200 from the human protein was used as the immunogen for the Deoxycytidine kinase antibody.

Storage

Aliquot the Deoxycytidine kinase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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

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