Order Information

Description: Rabbit anti-dNK
Catalogue#: 601-680
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB
Reactivity: Drosophila

Rabbit anti dNK Polyclonal Antibody

Alternate Names: Deoxynucleoside kinase (dNK)

ANTIGEN PREPARATION

A synthetic peptide corresponding to the N-terminus of fruit fly Deoxynucleoside kinase protein.

BACKGROUND

Deoxynucleoside kinases (dNK) are key enzymes in deoxyribonucleoside salvage, activating several clinically important chemotherapeutic drugs. Deoxynulceoside kinases catalyze the phosphorylation of deoxyribonucleosides to yield corresponding monophosphates (dNMPs). This family consists of various deoxynucleoside kinases including deoxyribocytidine kinase (dCK), deoxyriboguanosine kinase(dGK), cytosolic thymidine kinase(TK1) and mitochondrial thymidine kinase (TK2).

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~~30 kDa of dNK protein. The other species are not tested.

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

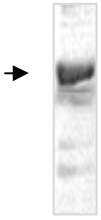
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested
Flow cytometry	Not tested

MOLECULAR WEIGHT:	30 kDa
POSITIVE CONTROL:	Fruit-fly extract
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



WB: The tissue extract derived from fruit fly was immunoblotted by Rabbit anti dNK (Cat#601-680) at 1:500. An immunoreactive band is observed ~30 kDa.

REFERENCES

Hoskins,R.A., et al. Sequence finishing and mapping of Drosophila melanogaster heterochromatin. Science 316 (5831), 1625-1628 (2007)

Sraffan Eriksson et al., Properties and levels of deoxynucleoside kinases in normal and tumor cells; implications for chemotherapy. Advances in Enzyme Regulation 34, pp13-25 (1994).

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