

For Research Use Only

DTYMK Recombinant antibody

Catalog Number: 86543-3-RR



Basic Information

Catalog Number:

86543-3-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7606

GenBank Accession Number:

BC001827

GeneID (NCBI):

1841

UNIPROT ID:

P23919

Full Name:

deoxythymidylate kinase
(thymidylate kinase)

Calculated MW:

24 kDa

Observed MW:

24 kDa

Purification Method:

Protein A purification

CloneNo.:

251441C1

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HeLa cells, rat brain tissue, HepG2 cells, Raji cells,
MOLT-4 cells, K-562 cells

Background Information

DTYMK(Thymidylate kinase) is also named as CDC8,TMPK and TYMK.It catalyzes the phosphorylation of dTMP to form dTDP in the dTTP synthesis pathway for DNA synthesis.This enzyme is important in cellular DNA synthesis because the synthesis of dTTP either via the de novo pathway or through the exogenous supply of thymidine requires the activity of this enzyme(PMID:18469).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

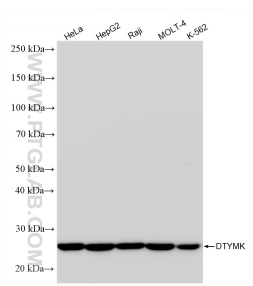
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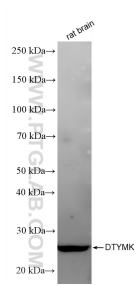
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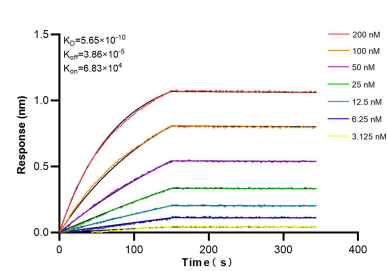
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 86543-3-RR (DTYMK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



rat brain tissue were subjected to SDS PAGE followed by western blot with 86543-3-RR (DTYMK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86543-3-RR against Human DTYMK were performed. The affinity constant is 0.565 nM.