

## Product datasheet for **AP13672PU-N**

### DCK (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunoprecipitation: 1/500 - 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DCK.
Specificity:	This antibody reacts to DCK.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	deoxycytidine kinase
Database Link:	<a href="#">Entrez Gene 1633 Human P27707</a>



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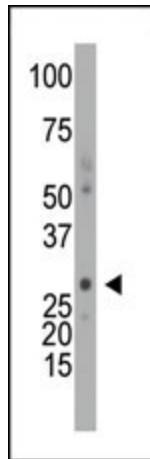
**Background:**

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.

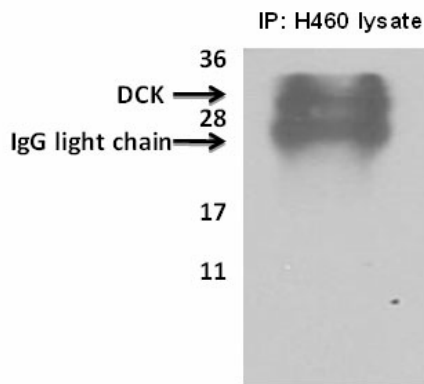
**Synonyms:**

DCK, MGC117410, MGC138632

**Product images:**



The anti-DCK Pab is used in Western blot to detect DCK in mouse intestine tissue lysate.



Deoxycytidine kinase (DCK) immunoprecipitated from H460 cells with 7.5ug (microgram) of the dCK antibody using a classic mammalian IP kit reagent. Proteins separated on a 12% SDS gel, transferred to a PVDF membrane and probed with 1:700 dilution of DCK antibody. Bands were detected using enhanced chemiluminescence. No specific reagents were employed to remove IgG from immunoprecipitated sample.