

## Product datasheet for **TA349644**

### DCK Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse heart tissue IHC: 25-100 Positive control: Human tonsil Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DCK
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	deoxycytidine kinase
Database Link:	<a href="#">NP_000779</a> <a href="#">Entrez Gene 13178 Mouse</a> <a href="#">Entrez Gene 79127 Rat</a> <a href="#">Entrez Gene 1633 Human</a> <a href="#">P27707</a>



[View online »](#)

**Background:** Deoxycytidine kinase (DCK) is required for the phosphorylation of several deoxyribonucleosides and their nucleoside analogs. Deficiency of DCK is associated with resistance to antiviral and anticancer chemotherapeutic agents. Conversely, increased deoxycytidine kinase activity is associated with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives. DCK is clinically important because of its relationship to drug resistance and sensitivity.

**Synonyms:** MGC117410; MGC138632

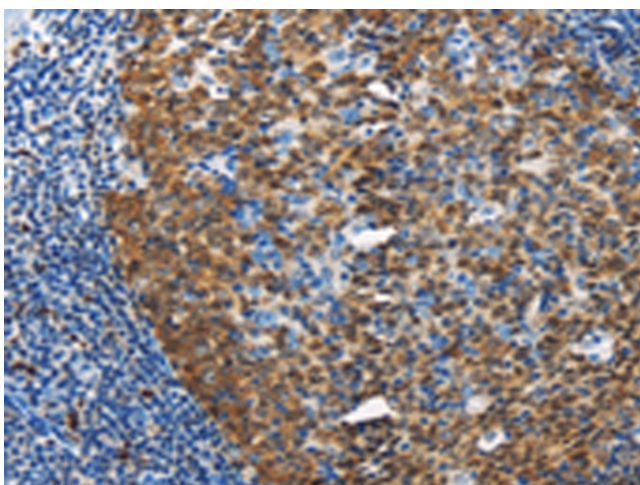
**Protein Families:** Druggable Genome

**Protein Pathways:** Purine metabolism, Pyrimidine metabolism

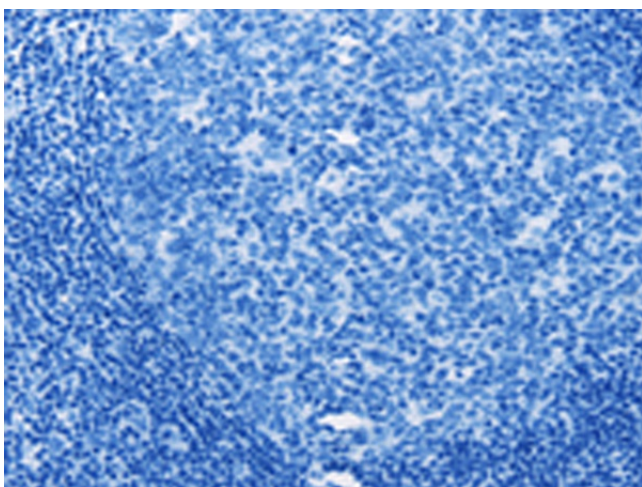
### Product images:



Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane: Mouse heart tissue  
Primary antibody: TA349644 (DCK Antibody) at dilution 1/550  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 second



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349644 (DCK Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349644 (DCK Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )