

## Product datasheet for **TA327178S**

### DCCK Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | ELISA, ICC/IF, IHC, WB   |
| Recommended Dilution:   | WB, 1:1000 - 1:5000<br>IHC-P, 1:50 - 1:200<br>IF/ICC, 1:50 - 1:200<br>ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Formulation:            | Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3  |
| Concentration:          | lot specific   |
| Purification:           | Affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 31kDa  |
| Gene Name:              | deoxycytidine kinase   |
| Database Link:          | <a href="#">NP_000779</a><br><a href="#">Entrez Gene 13178 Mouse</a> <a href="#">Entrez Gene 79127 Rat</a> <a href="#">Entrez Gene 1633 Human</a><br><a href="#">P27707</a>                              |



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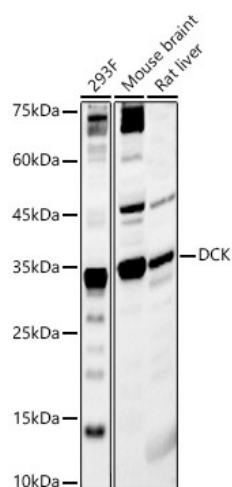
**Background:** Deoxycytidine kinase (DCK) is required for the phosphorylation of several deoxyribonucleosides and their nucleoside analogs. Deficiency of DCK is associated with resistance to antiviral and anticancer chemotherapeutic agents. Conversely, increased deoxycytidine kinase activity is associated 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

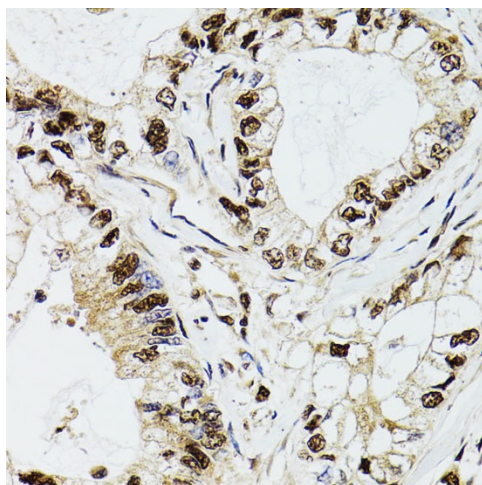
**Protein Families:** Druggable Genome

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

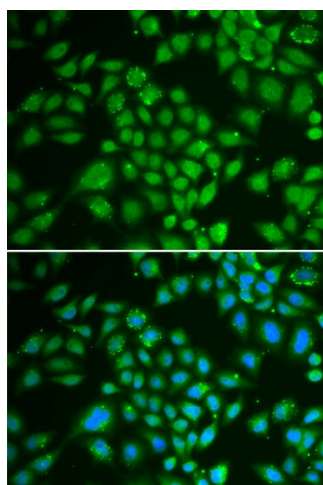
## Product images:



Western blot analysis of various lysates



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using DCK Rabbit pAb ([TA327178]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using DCK Rabbit pAb ([TA327178]). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.