

**DCK / Deoxycytidine kinase Antibody (aa1-260)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16905****Specification**

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**DCK / Deoxycytidine kinase Antibody (aa1-260) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, ICC, WB           |
| Primary Accession | <a href="#">P27707</a> |
| Other Accession   | <a href="#">1633</a>   |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 30519                  |

**DCK / Deoxycytidine kinase Antibody (aa1-260) - Additional Information****Gene ID** 1633**Other Names**

DCK, Deoxynucleoside kinase, Deoxycytidine kinase

**Target/Specificity**

Human DCK

**Reconstitution & Storage**

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

**Precautions**

DCK / Deoxycytidine kinase Antibody (aa1-260) is for research use only and not for use in diagnostic or therapeutic procedures.

**DCK / Deoxycytidine kinase Antibody (aa1-260) - Protein Information****Name** DCK**Function**

Phosphorylates the deoxyribonucleosides deoxycytidine, deoxyguanosine and deoxyadenosine (PubMed:<a href="http://www.uniprot.org/citations/1996353" target="\_blank">1996353</a>, PubMed:<a href="http://www.uniprot.org/citations/12808445" target="\_blank">12808445</a>, PubMed:<a href="http://www.uniprot.org/citations/18377927" target="\_blank">18377927</a>, PubMed:<a href="http://www.uniprot.org/citations/19159229" target="\_blank">19159229</a>, PubMed:<a href="http://www.uniprot.org/citations/20614893" target="\_blank">20614893</a>, PubMed:<a href="http://www.uniprot.org/citations/20637175" target="\_blank">20637175</a>). Has broad substrate specificity, and does not display selectivity based on the chirality of the substrate. It is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents (PubMed:<a href="http://www.uniprot.org/citations/12808445" target="\_blank">12808445</a>).

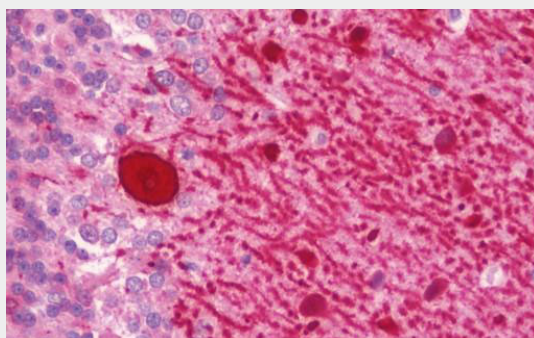
**Cellular Location**

Nucleus.

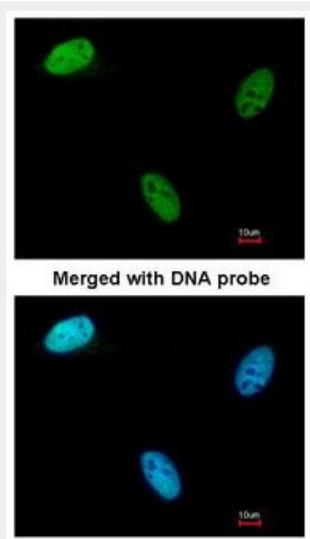
**Volume**50  $\mu$ l**DCK / Deoxycytidine kinase Antibody (aa1-260) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

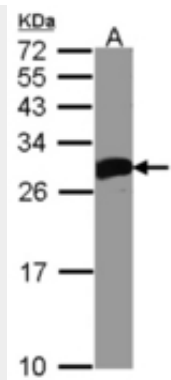
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DCK / Deoxycytidine kinase Antibody (aa1-260) - Images**

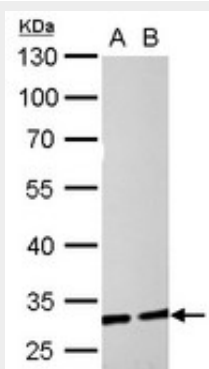
Anti-DCK / Deoxycytidine kinase antibody IHC staining of human brain, cerebellum.



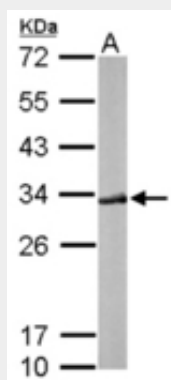
Immunofluorescence of paraformaldehyde-fixed HeLa using Deoxycytidine kinase antibody at 1:200...



Sample (30 ug whole cell lysate). A: Raji . 12% SDS PAGE. DCK antibody diluted at 1:1000



DCK antibody detects DCK protein by Western blot analysis.



Sample (50 ug of whole cell lysate). A: mouse brain. 12% SDS PAGE. DCK antibody diluted at 1:1000.

### **DCK / Deoxycytidine kinase Antibody (aa1-260) - Background**

Required for the phosphorylation of the deoxyribonucleosides deoxycytidine (dC), deoxyguanosine (dG) and deoxyadenosine (dA). Has broad substrate specificity, and does not display selectivity based on the chirality of the substrate. It is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents.

### **DCK / Deoxycytidine kinase Antibody (aa1-260) - References**

Chottiner E.G.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:1531-1535(1991).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Kalinine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.