

DCK / Deoxycytidine kinase Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17078**Specification**

DCK / Deoxycytidine kinase Antibody - Product Information

Application	IHC, IF, WB
Primary Accession	P27707
Other Accession	1633
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30519

DCK / Deoxycytidine kinase Antibody - Additional Information**Gene ID** 1633**Other Names**

DCK, Deoxynucleoside kinase, Deoxycytidine kinase

Target/Specificity

Human DCK / Deoxycytidine kinase

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

DCK / Deoxycytidine kinase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DCK / Deoxycytidine kinase Antibody - Protein Information**Name** DCK**Function**

Phosphorylates the deoxyribonucleosides deoxycytidine, deoxyguanosine and deoxyadenosine (PubMed:1996353, PubMed:12808445, PubMed:18377927, PubMed:19159229, PubMed:20614893, PubMed:20637175). 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

<http://www.uniprot.org/citations/12808445>

Cellular Location

Nucleus.

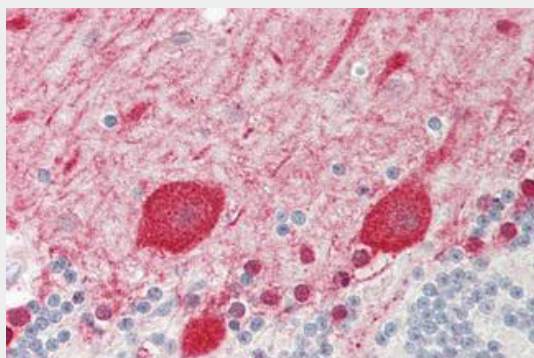
Volume

50 μ l

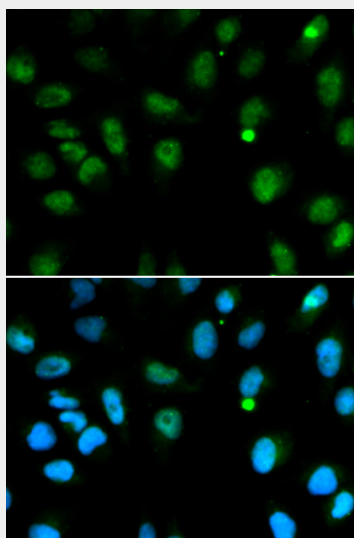
DCK / Deoxycytidine kinase Antibody - Protocols

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

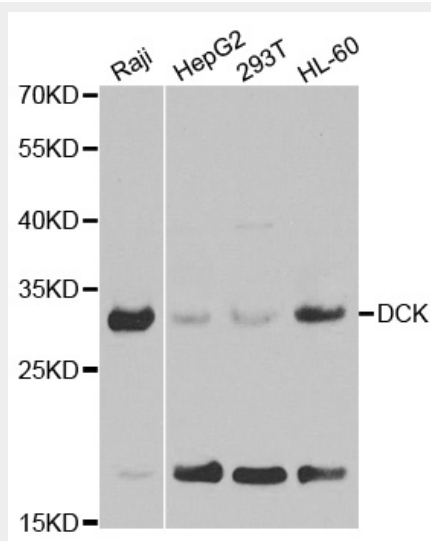
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DCK / Deoxycytidine kinase Antibody - Images

Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of MCF7 cell using DCK antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using DCK antibody.

DCK / Deoxycytidine kinase Antibody - 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 - 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.
Kalnine 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.