

Rabbit anti-Human, mouse DCK Polyclonal Antibody | anti-DCK antibody

DCK Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284559	Rabbit	Human, mouse	Immunoprecipitation, Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

DCK; Polyclonal Antibody; DCK Antibody (C-term); Deoxycytidine kinase; dCK; anti-DCK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-200 amino acids from the C-terminal region of human DCK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	171-200
Sequence Length	260
Applicable Applications for anti-DCK antibody	IP (Immunoprecipitation), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Deoxycytidine kinase(DCK) immunoprecipitated from H460cells with 7.5ug (microgram) of the dCK antibody (AAA284559) using the Pierce classic mammalian IP kit (#45217) reagent as described as manufacturer instructions (lane 1, 3) and Current Protocols in Cell Biology, 1998, 7.2.1-7.2.21. Proteins separated on a 12% SDS gel, transferred to a PVDF membrane and probed with 1:700 dilution of DCK antibody (AAA284559). Bands were detected using enhanced chemiluminescence (SuperSignal West Pico Chemiluminescent Substrate Kit). No specific reagents were employed to remove IgG from immunoprecipitated sample. Data courtesy of Dr. Stacy Shord, University of Illinois, Chicago.



WB (Western Blot)

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



IF (Immunofluorescence)

Confocal immunofluorescent analysis of DCK Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

DCK Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DCK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-DCK antibody	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.
Product Categories/Family for anti-DCK antibody	Cancer; Signal Transduction
References	Chottiner, E. G., et al. Proc. Nat. Acad. Sci. 88: 1531-1535 (1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503269
NCBI GeneID	1633
NCBI Accession #	NP_000779.1
NCBI GenBank Nucleotide #	NM_000788.2
UniProt Accession #	P27707; Q5TZY7; Q6FI11; B2R8V6
Molecular Weight	30519
NCBI Official Full Name	deoxycytidine kinase
NCBI Official Synonym Full Names	deoxycytidine kinase
NCBI Official Symbol	DCK
NCBI Protein Information	deoxycytidine kinase
UniProt Protein Name	Deoxycytidine kinase
UniProt Gene Name	DCK
UniProt Synonym Gene Names	dCK
UniProt Entry Name	DCK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dck-antibody-immunoprecipitation-western-blot-immunofluorescence-immunohistochemistry-elisa/284559>