

Datasheet for ABIN391125
anti-DCK antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	DCK
Binding Specificity:	AA 171-200, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB05276
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DCK
Alternative Name:	DCK (DCK Products)

Target Details

Background:	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.
Molecular Weight:	30519
Gene ID:	1633
NCBI Accession:	NP_000779
UniProt:	P27707

Application Details

Application Notes:	IF: 1:10~50. IP: 1:500~1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

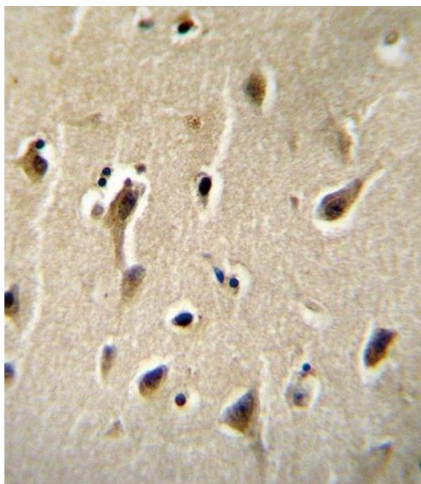
Publications

Product cited in:	Murakami, Ito, Hagiwara, Yoshida, Sobue, Ichihara, Takagi, Kojima, Tanaka, Tamiya-Koizumi, Kyogashima, Suzuki, Banno, Nozawa, Murate: "ATRA inhibits ceramide kinase transcription in a human neuroblastoma cell line, SH-SY5Y cells: the role of COUP-TFI." in: Journal of neurochemistry , Vol. 112, Issue 2, pp. 511-20, (2010) (PubMed).
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Yang, Gagarin, St Laurent, Hammell, Toma, Hu, Iwasa, McCaffrey: "Cardiovascular inflammation and lesion cell apoptosis: a novel connection via the interferon-inducible immunoproteasome." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 29, Issue 8, pp. 1213-9, (2009) ([PubMed](#)).

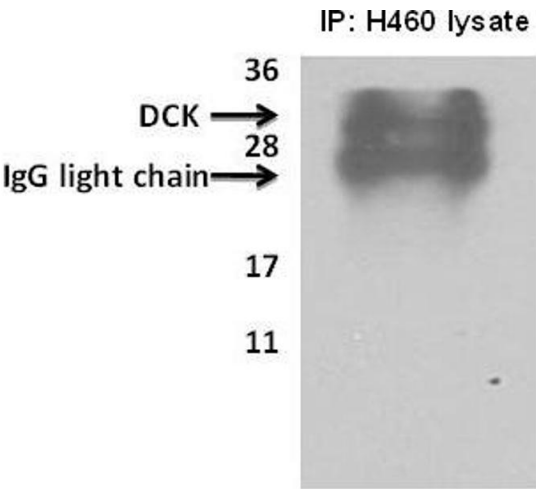
Hinkovska-Galcheva, Clark, VanWay, Huang, Hiraoka, Abe, Borofsky, Kunkel, Shanley, Shayman, Lanni, Petty, Boxer: "Ceramide kinase promotes Ca²⁺ signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells." in: **Journal of lipid research**, Vol. 49, Issue 3, pp. 531-42, (2008) ([PubMed](#)).

Images



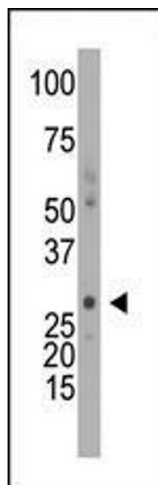
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. DCK Antibody (C-term) B 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.



Immunoprecipitation

Image 2. Deoxycytidine kinase(DCK) immunoprecipitated from H460 cells with 7.5 µg (microgram) of the dCK antibody ((ABIN391125 and ABIN2841251)) 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 ((ABIN391125 and ABIN2841251)). 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.

Western Blotting

Image 3. The anti-DCK Pab (ABIN391125 and ABIN2841251) is used in Western blot to detect DCK in mouse intestine tissue lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN391125.