

Datasheet for ABIN2784622
anti-DCK antibody (Middle Region)



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Overview

Quantity:	100 µL
Target:	DCK
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Horse, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DCK
Sequence:	ATPETCLHRI YLRGRNEEQG IPLEYLEKLH YKHESWLLHR TLKTNFDYLQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 93%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against DCK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DCK
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Target Details

Alternative Name:	DCK (DCK Products)
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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: MGC117410, MGC138632 Protein Interaction Partner: UBC, EFHD2, CHRA1, CHMP4A, CBX3, TYMS, THOP1, TALDO1, RBBP7, RANBP1, PTMS, IDH1, HSPE1, ADSS, TFEC, ELAVL1, RXRG, DCK, MED19, GOLM1, DDX19B, Protein Size: 260
Molecular Weight:	30 kDa
Gene ID:	1633
NCBI Accession:	NM_000788 , NP_000779
UniProt:	P27707

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 260 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

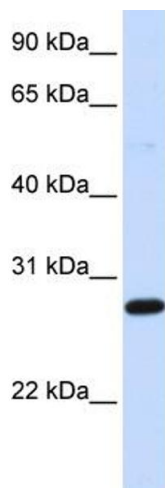
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Bieghe, Caers, De Bruyne, Van Valckenborgh, Higginbotham, Vanderkerken, Menu: "The effects of forodesine in murine and human multiple myeloma cells." in: Advances in hematology , Vol. 2010, pp. 131895, (2010) (PubMed).
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Images



Western Blotting
Image 1. WB Suggested Anti-DCK Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human heart