

Datasheet for ABIN7600254
anti-DCK antibody (AA 17-260)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DCK
Binding Specificity:	AA 17-260
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-DCK Antibody Picoband® (monoclonal, 3G10)
Immunogen:	E. coli-derived human DCK recombinant protein (Position: E17-L260).
Clone:	3G10
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DCK Antibody Picoband® (monoclonal, 3G10) (ABIN7600254). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: DCK

Alternative Name: DCK ([DCK Products](#))

Background: Synonyms: Deoxycytidine kinase, dCK, DCK
Tissue Specificity: Expressed ubiquitously in normal tissues.
Background: Deoxycytidine kinase (dCK) is an enzyme which is encoded by the DCK gene in humans. 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.

Molecular Weight: 30 kDa

Gene ID: 1633

UniProt: [P27707](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. Chottiner, E. G., Shewach, D. S., Datta, N. S., Ashcraft, E., Gribbin, D., Ginsburg, D., Fox, I. H., Mitchell, B. S. Cloning and expression of human deoxycytidine kinase cDNA. Proc. Nat. Acad. Sci. 88: 1531-1535, 1991. 2. Stegmann, A. P. A., Honders, M. W., Bolk, M. W. J., Wessels, J., Willemze, R., Landegent, J. E. Assignment of the human deoxycytidine kinase (DCK) gene to chromosome 4 band q13.3-q21.1. Genomics 17: 528-529, 1993.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
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:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.