ARG55196
anti-DCK antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DCK
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DCK
Species	Human
Immunogen	Recombinant protein of Human DCK (NP_000779.1)
Conjugation	Un-conjugated
Alternate Names	EC 2.7.1.74; Deoxycytidine kinase; dCK

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Raji

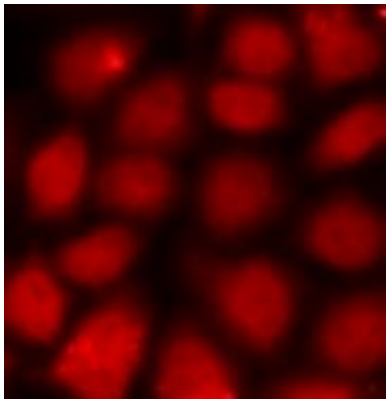
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

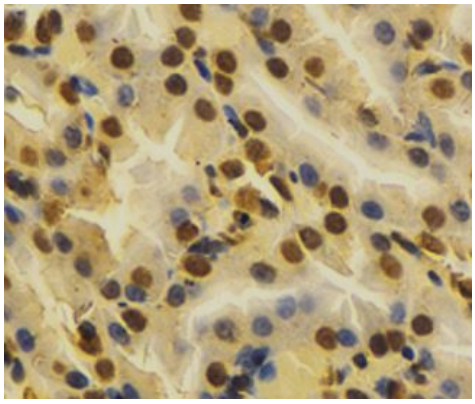
Gene Symbol	DCK
Gene Full Name	deoxycytidine kinase
Background	Deoxycytidine kinase (DCK) is required for the phosphorylation of several deoxyribonucleosides and their nucleoside analogs. Deficiency of DCK is associated with resistance to antiviral and anticancer chemotherapeutic agents. Conversely, 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. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	31 kDa
PTM	Phosphorylated and activated in vitro upon phosphorylation at Ser-74 by CSNK1D/CK1.

Images



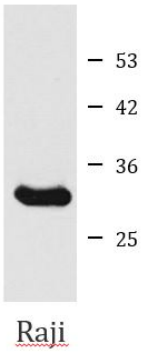
ARG55196 anti-DCK antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55196 anti-DCK antibody.



ARG55196 anti-DCK antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG55196 anti-DCK antibody at 1:100 dilution.



ARG55196 anti-DCK antibody WB image

Western blot: Raji cell lysate stained with ARG55196 anti-DCK antibody.