Best Tools for immunology Research

DCK rabbit pAb

Catalog No :	YT6778
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	DCK
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	DCK
Protein Name :	DCK
Human Gene Id :	1633
Human Swiss Prot No :	P27707
Mouse Gene Id :	13178
Mouse Swiss Prot No :	P43346
Rat Gene Id :	79127
Rat Swiss Prot No :	P48769
Immunogen :	Synthesized peptide derived from human DCK AA range: 62-112
Specificity :	This antibody detects endogenous levels of DCK at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

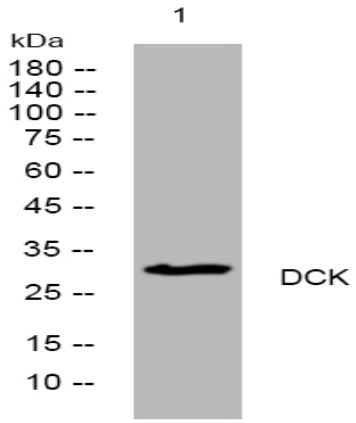
Molecularweight : 29kD

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 : catalytic activity:NTP + deoxycytidine = NDP + dCMP.,function:Required for the phosphorylation of the deoxyribonucleosides deoxycytidine (dC), deoxyguanosine (dG) and deoxyadenosine (dA). It is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the DCK/DGK family.,subunit:Homodimer.,

Subcellular Location : Nucleus .

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°over night