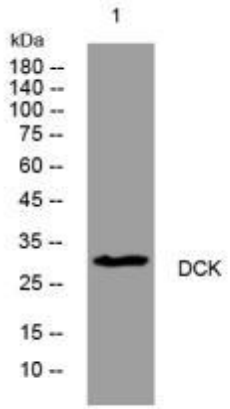
DCK mouse mAb

Catalog No	YP-mAb-11413
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	DCK
Protein Name	DCK
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	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1：500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Calculated Molecular Weight	29kD
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	
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.,
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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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