OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA502713M

DCK Mouse Monoclonal Antibody [Clone ID: OTI15E12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI15E12
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DCK(NP_000779) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	4.78 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30.3 kDa
Gene Name:	deoxycytidine kinase
Database Link:	NP_000779 Entrez Gene 13178 MouseEntrez Gene 79127 RatEntrez Gene 1633 Human P27707
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]

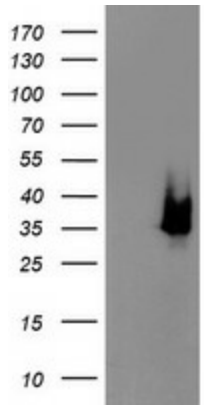
View online »

Synonyms: MGC117410; MGC138632

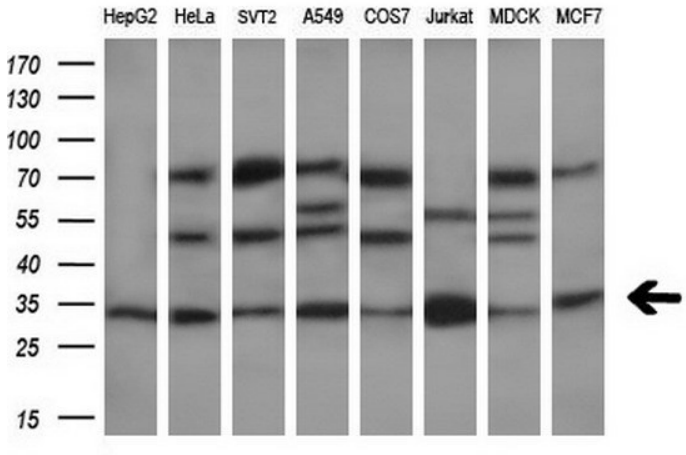
Protein Families: Druggable Genome

Protein Pathways: Purine metabolism, Pyrimidine metabolism

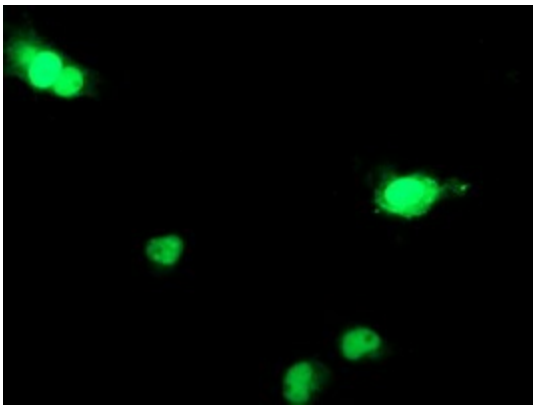
Product images:



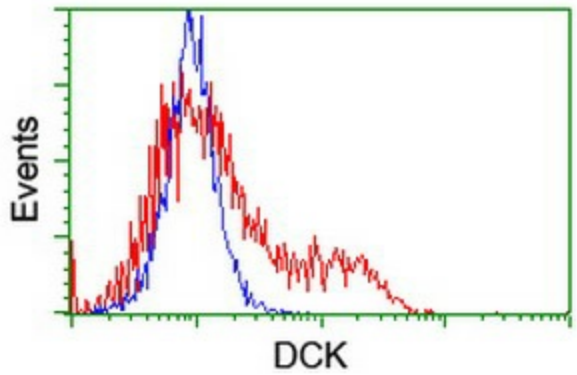
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DCK ([RC210767], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DCK. Positive lysates [LY400272] (100ug) and [LC400272] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 8 different cell lines by using anti-DCK monoclonal antibody (1:200).



Anti-DCK mouse monoclonal antibody ([TA502713]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DCK ([RC210767]).



HEK293T cells transfected with either [RC210767] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DCK antibody ([TA502713]), and then analyzed by flow cytometry.