

Csk Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0390
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Csk expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat,Monkey
Clonality	Monoclonal
Recommended application	WB, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Tyrosine-protein kinase CSK
Synonyms	CSK; Tyrosine-protein kinase CSK; C-Src kinase; Protein-tyrosine kinase CYL

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.,PTM:Autophosphorylation of Tyr-304 occurs only at abnormally high CSK concentrations in vitro.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subcellular location:Mainly cytoplasmic, also present in lipid rafts.,subunit:Interacts with PTPN8 (By similarity). Interacts with phosphorylated SIT1, PAG1, LIME1 and TGFB111.,tissue specificity:Expressed in lung and macrophages.,

Recommended Dilution

ELISA: 1:10000

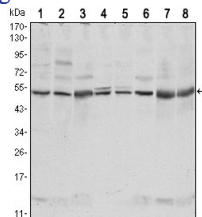
FC: 1:200 - 1:400

IF: 1:200 - 1:1000

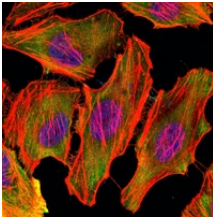
WB: 1:500 - 1:2000

Not yet tested in other applications.

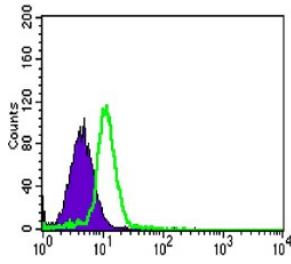
Images



Western Blot analysis using Csk Monoclonal antibody against NIH/3T3 (1)HeLa (2)COS7 (3) Jurkat (4) Raw246.7 (5) A549 (6) HL-60 (7) and PC-12 (8) cell lysate.



Immunofluorescence analysis of U251 cells using Csk Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin



Flow cytometric analysis of HL-60 cells using Csk Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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