

## **Csk Monoclonal Antibody**

Catalog No: YM0170

**Reactivity:** Human; Mouse; Rat; Monkey

**Applications:** WB;IF;FCM;ELISA

Target: Csk

**Fields:** >>Epithelial cell signaling in Helicobacter pylori infection

Gene Name: CSK

**Protein Name:** Tyrosine-protein kinase CSK

Human Gene Id: 1445

**Human Swiss Prot** 

P41240

No:

Mouse Gene ld: 12988

**Mouse Swiss Prot** 

P41241

No:

**Rat Gene Id:** 315707

Rat Swiss Prot No: P32577

**Immunogen:** Purified recombinant fragment of human Csk expressed in E. Coli.

**Specificity:** Csk Monoclonal Antibody detects endogenous levels of Csk protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source:** Monoclonal, Mouse

**Dilution:** WB 1:500 - 1:2000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA:

1:10000. Not yet tested in other applications.

**Purification :** Affinity purification

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

Molecularweight: 51kD

**Cell Pathway:** Chemokine; Neurotrophin; Regulates Actin and Cytoskeleton; Epithelial cell

signaling in Helicobacter pylori infection;

**P References :** 1. Nat Genet. 2009 Jun;41(6):677-87.

2. Leuk Res. 2009 Sep;33(9):e168-9.

3. J Hypertens. 2011 Jan;29(1):62-9.

**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

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Subcellular Location:

Cytoplasm . Cell membrane . Mainly cytoplasmic, also present in lipid rafts. .

**Expression:** Expressed in lung and macrophages.

**Sort**: 4615

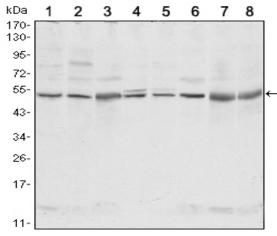
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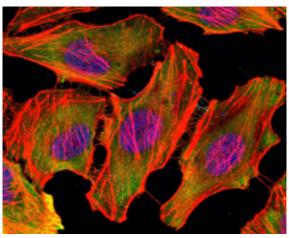
Host: Mouse

Modifications: Unmodified

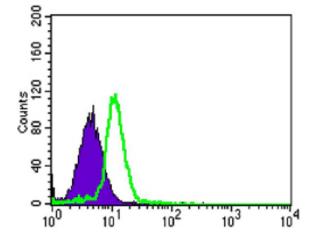
## **Products Images**



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).