

CSK Antibody

Catalog No: #33766

Package Size: #33766-1 50ul #33766-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

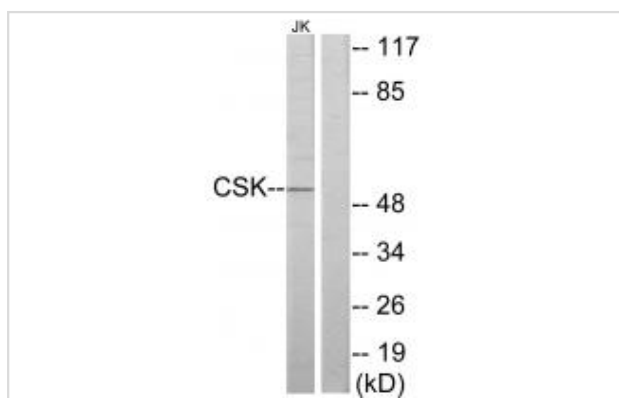
Product Name	CSK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CSK protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CSK.
Target Name	CSK
Other Names	Tyrosine-protein kinase CSK; EC 2.7.10.2; C-SRC kinase; Protein-tyrosine kinase CYL; CSK
Accession No.	Swiss-Prot: P41240NCBI Gene ID: 1445
SDS-PAGE MW	55kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

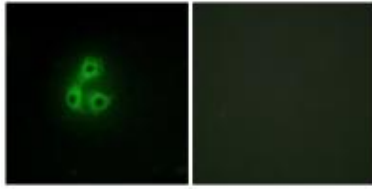
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from Jurkat cells, using CSK antibody #33766.

Immunofluorescence analysis of A549 cells, using CSK antibody #33766.



Background

Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases (SFks) including LCK, SRC, HCK, FYN, LYN or YES1. Upon tail phosphorylation, Src-family members engage in intramolecular interactions between the phosphotyrosine tail and the SH2 domain that result in an inactive conformation. To inhibit SFks, CSK is recruited to the plasma membrane via binding to transmembrane proteins or adapter proteins located near the plasma membrane. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK.

Partanen J., *Oncogene* 6:2013-2018(1991).

Braeuninger A., *Proc. Natl. Acad. Sci. U.S.A.* 88:10411-10415(1991).

Braeuninger A., *Gene* 110:205-211(1992).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.