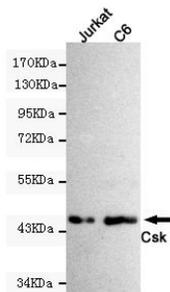




CSK

Mouse monoclonal Antibody

#53121

Catalog Number: 53121**Amount:** 100µg/100µl**Swiss-Prot No. :** P41240**Gene name:** csk**Gene id:** 1445**Clone Number:** 2B4-C6-A10**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CSK protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CSK and does not cross-react with related proteins**Reactivity:** Human, Rat**Applications:** Predicted MW: 50kd WB: 1:1000 ICC:1:50

Western blot detection of CSK in C6 and Jurkat cell lysates using CSK mouse mAb (1:1000 diluted). Predicted band size: 50KDa. Observed band size: 50KDa.

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.