

Product datasheet for **TA346925**

CSK Mouse Monoclonal Antibody [Clone ID: 2B4-C6-A10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B4-C6-A10
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000, IF: 1:50
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for CSK antibody: purified recombinant human CSK protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine(pH 7.4,150 mM NaCl)with 0.02% sodium azide,0.1mg/mlBSA and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	c-src tyrosine kinase
Database Link:	NP_001120662 Entrez Gene 315707 Rat Entrez Gene 1445 Human P41240



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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.

Synonyms:

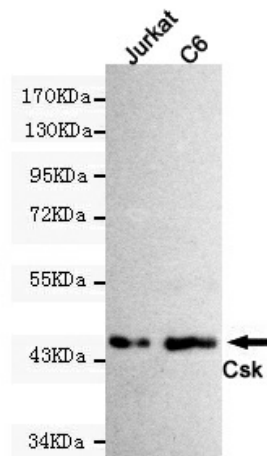
MGC117393

Protein Families:

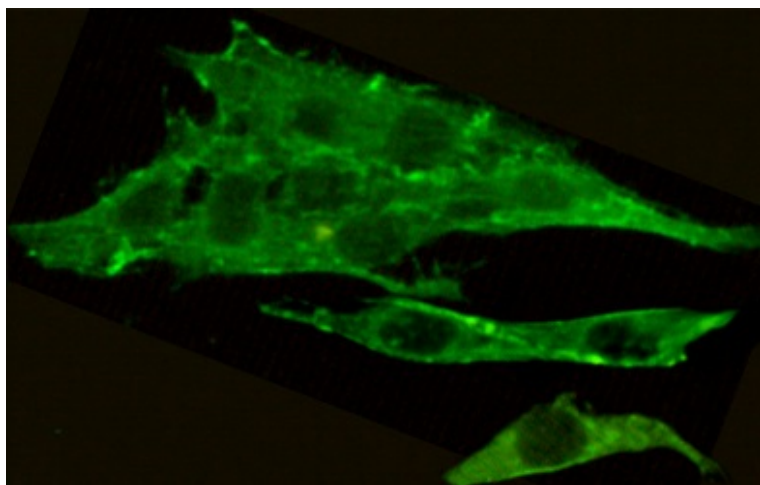
Druggable Genome, Protein Kinase

Protein Pathways:

Chemokine signaling pathway, Epithelial cell signaling in Helicobacter pylori infection, Neurotrophin signaling pathway, Regulation of actin cytoskeleton

Product images:

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.



Immunocytochemistry staining of C6 cells fixed by anhydrous methanol for 2 h at -20°C and using anti-CSK mouse mAb (dilution 1:50).