

For Research Use Only

CSK Monoclonal antibody

Catalog Number: 66115-1-Ig **1 Publications**



Basic Information

Catalog Number: 66115-1-Ig	GenBank Accession Number: BC106073	Purification Method: Protein A purification
Size: 150ul, Concentration: 1900 µg/ml by Nanodrop and 893 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1445	CloneNo.: 3B12C5
Source: Mouse	Full Name: c-src tyrosine kinase	Recommended Dilutions: WB 1:500-1:2000 IF 1:20-1:200
Isotype: IgG2b	Calculated MW: 450 aa, 50 kDa	
Immunogen Catalog Number: AG12103	Observed MW: 50 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: Jurkat cells, HeLa cells, NIH/3T3 cells, RAW 264.7 cells
Species Specificity: human, mouse	IF: A431 cells,
Cited Species: mouse	

Background Information

CSK (Tyrosine-protein kinase CSK) is also named as C-Src kinase, protein-tyrosine kinase CYL and belongs to the protein kinase superfamily. Csk is a non-receptor tyrosine kinase with a molecular mass of 50 kDa. It contains the SH3 and SH2 domains in its N-terminus and a kinase domain in its C-terminus. It negatively regulates the kinase activity of SFKs and plays an important role in physiological functions via signaling pathways for cell proliferation, differentiation, adhesion, and migration (PMID:23548896). Csk may play a role in tumor suppression by inhibiting the oncogenic activity of SFKs. Indeed, overexpression of Csk can inhibit tumor growth of human colon cancer cells (PMID:23139636). This protein can be autophosphorylated (PMID:11181701).

Notable Publications

Author	Pubmed ID	Journal	Application
Jiandong Sun	34185441	Andrology	WB

Storage

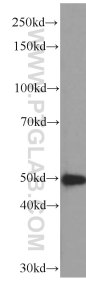
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

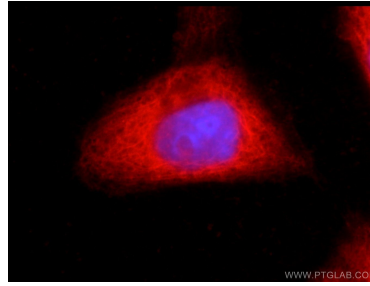
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66115-1-Ig (CSK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of A431 cells using 66115-1-Ig (CSK antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.