

For Research Use Only

# CSK Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 66115-1-Ig	<b>GenBank Accession Number:</b> BC106073	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1900 ug/ml	<b>GeneID (NCBI):</b> 1445	<b>CloneNo.:</b> 3B12C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P41240	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> c-src tyrosine kinase	
<b>Immunogen Catalog Number:</b> AG12103	<b>Calculated MW:</b> 450 aa, 50 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

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

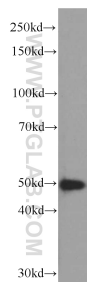
## Storage

**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**

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CSK antibody (66115-1-Ig, Clone: 3B12C5 ) at dilution of 1:1000 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).

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.