

For Research Use Only

# CSK Polyclonal antibody

Catalog Number: 17720-1-AP

7 Publications



## Basic Information

### Catalog Number:

17720-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12103

### GenBank Accession Number:

BC106073

### GeneID (NCBI):

1445

### UNIPROT ID:

P41240

### Full Name:

c-src tyrosine kinase

### Calculated MW:

450 aa, 50 kDa

### Observed MW:

50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:6000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** Raji cells, K-562 cells, HL-60 cells, Jurkat cells, rat lung tissue

**IP:** HL-60 cells,

**IHC:** human lung tissue, human skin tissue, human placenta tissue, human kidney tissue, human brain tissue, human ovary tissue, human testis tissue

**IF/ICC:** A431 cells,

## 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
Benika J Pinch	34499862	Cell Chem Biol	WB
Nan Cui	31125786	Neoplasia	IP
Mackenzie L Davenport	33558335	Cancer Res	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

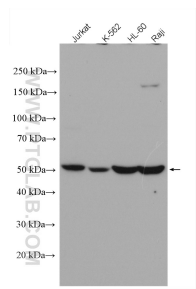
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

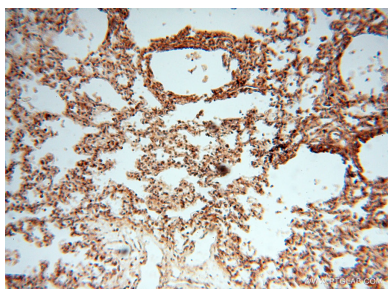
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

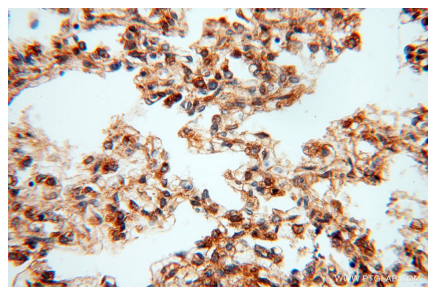
Selected Validation Data



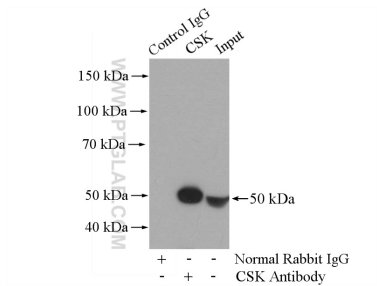
Various lysates were subjected to SDS PAGE followed by western blot with 17720-1-AP (CSK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung using 17720-1-AP (CSK antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung using 17720-1-AP (CSK antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-CSK (IP:17720-1-AP, 4ug; Detection:17720-1-AP 1:800) with HL-60 cells lysate 1000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using CSK antibody (17720-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).