

For Research Use Only

# CSK Polyclonal antibody

Catalog Number: 17720-1-AP

4 Publications



## Basic Information

<b>Catalog Number:</b> 17720-1-AP	<b>GenBank Accession Number:</b> BC106073	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1445	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> c-src tyrosine kinase	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 450 aa, 50 kDa	<b>IF 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG12103	<b>Observed MW:</b> 50 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IHC, IP, WB

### Species Specificity:

human

### Cited Species:

human

**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:** SH-SY5Y 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

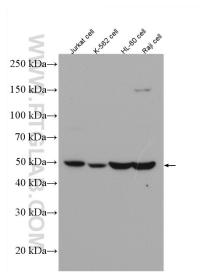
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

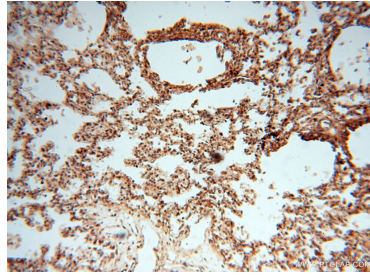
E: proteintech@ptglab.com  
W: ptglab.com

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

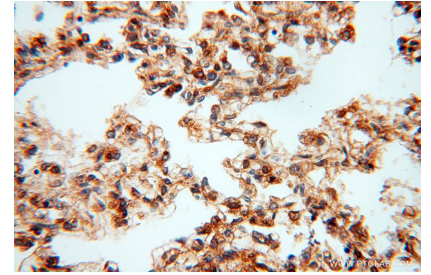
## Selected Validation Data



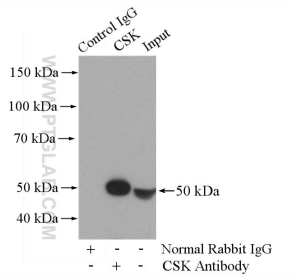
Various lysates were subjected to SDS PAGE followed by western blot with 17720-1-AP (CSK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



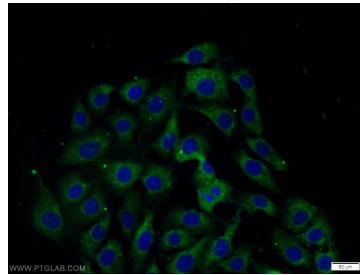
Immunohistochemical analysis of paraffin-embedded human lung using 17720-1-AP (CSK antibody) at dilution of 1:200 (under 10x lens).



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, 4 $\mu$ g; Detection:17720-1-AP 1:800) with HL-60 cells lysate 1000 $\mu$ g.



Immunofluorescent analysis of SH-SY5Y cells using 17720-1-AP (CSK antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).