

For Research Use Only

CSK Polyclonal antibody

Catalog Number: 17720-1-AP

5 Publications



Basic Information

Catalog Number:

17720-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

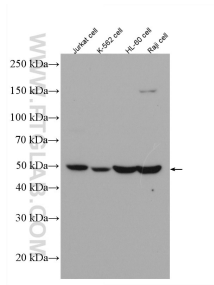
For technical support and original validation data for this product please contact:

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

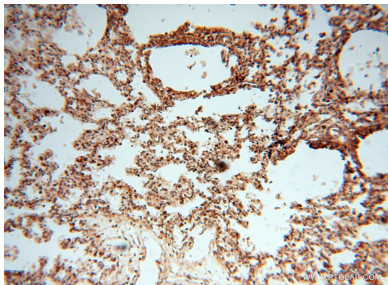
E: proteintech@ptglab.com
W: ptglab.com

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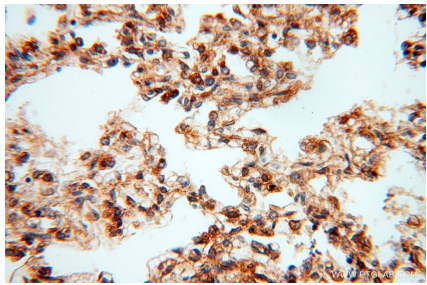
Selected Validation Data



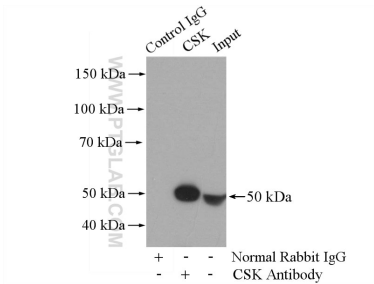
Various lysates were subjected to SDS PAGE followed by western blot with 17720-1-AP (CSK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



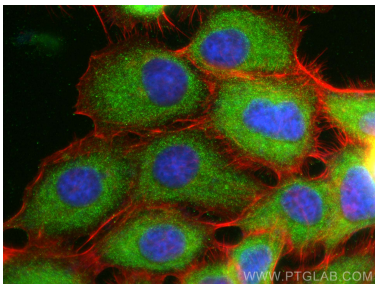
Immunohistochemical analysis of paraffin-embedded human lung using 17720-1-AP (CSK antibody) at dilution of 1:200 (under 10x lens).



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).