

For Research Use Only

CSK Polyclonal antibody

Catalog Number: 17720-1-AP **4 Publications**



Basic Information

Catalog Number: 17720-1-AP	GenBank Accession Number: BC106073	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 1445	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: P41240	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: c-src tyrosine kinase	IHC 1:20-1:200
Immunogen Catalog Number: AG12103	Calculated MW: 450 aa, 50 kDa	IF 1:10-1:100
	Observed MW: 50 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : Raji cells, K-562 cells, HL-60 cells, Jurkat cells, rat lung tissue
Cited Applications: WB, IP, IHC	IP : HL-60 cells,
Species Specificity: human, rat	IHC : human lung tissue, human skin tissue, human placenta tissue, human kidney tissue, human brain tissue, human ovary tissue, human testis tissue
Cited Species: human	IF : SH-SY5Y cells,

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

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

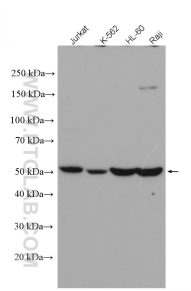
Storage

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

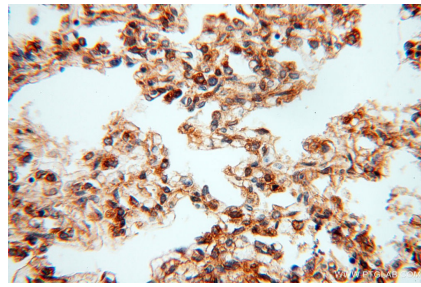
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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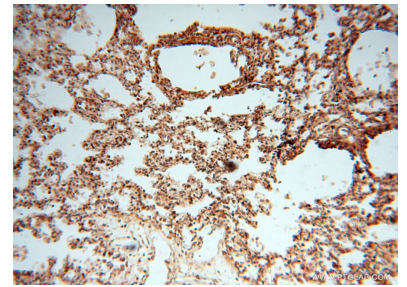
Selected Validation Data



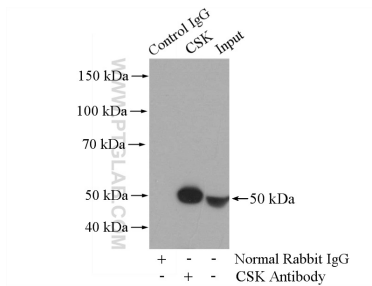
Various lysates were subjected to SDS PAGE followed by western blot with 17720-1-AP (CSK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



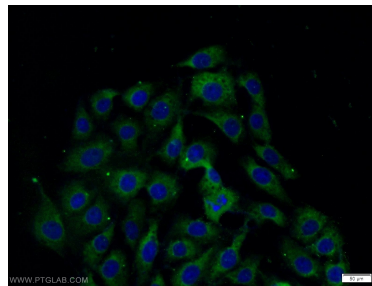
Immunohistochemical analysis of paraffin-embedded human lung using 17720-1-AP (CSK antibody) at dilution of 1:200 (under 40x lens).



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