

# Mouse Csk Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21470b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P41241</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB50568
<b>Calculated MW</b>	50716

## Additional Information

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<b>Gene ID</b>	12988
<b>Other Names</b>	Tyrosine-protein kinase CSK, C-Src kinase, Protein-tyrosine kinase MPK-2, p50CSK, Csk
<b>Target/Specificity</b>	This Mouse Csk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 398-431 amino acids from the C-terminal region of Mouse Csk.
<b>Dilution</b>	WB~1:2000 E~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Mouse Csk Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Csk
<b>Function</b>	Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases (SFKs) including LCK, SRC, HCK, FYN, LYN, CSK or YES1. Upon tail phosphorylation, Src-family members engage in intramolecular interactions

between the phosphotyrosine tail and the SH2 domain that result in an inactive conformation. To inhibit SFKs, CSK is recruited to the plasma membrane via binding to transmembrane proteins or adapter proteins located near the plasma membrane. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK (By similarity). May act as a negative regulator of EGFR and STAT3 signaling pathways (By similarity).

#### Cellular Location

Cytoplasm. Cell membrane. Note=Mainly cytoplasmic, also present in lipid rafts

#### Tissue Location

Ubiquitous, but most abundant in thymus and spleen, as well as in neonatal brain

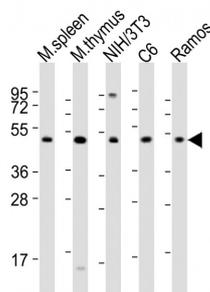
## Background

Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases (SFKs) including LCK, SRC, HCK, FYN, LYN or YES1. Upon tail phosphorylation, Src-family members engage in intramolecular interactions between the phosphotyrosine tail and the SH2 domain that result in an inactive conformation. To inhibit SFKs, CSK is recruited to the plasma membrane via binding to transmembrane proteins or adapter proteins located near the plasma membrane. Suppresses signaling by various surface receptors, including T- cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK (By similarity).

## References

- Klages S.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:2597-2601(1994).  
Farber C.R.,et al.Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.  
Carninci P.,et al.Science 309:1559-1563(2005).  
Gilardi-Hebenstreit P.,et al.Oncogene 7:2499-2506(1992).  
Lubec G.,et al.Submitted (JAN-2009) to UniProtKB.

## Images



All lanes : Anti-Csk Antibody (C-term) at 1:2000 dilution  
Lane 1: mouse spleen lysates Lane 2: mouse thymus lysates Lane 3: NIH/3T3 whole cell lysates Lane 4: C6 whole cell lysates Lane 5: Ramos whole cell lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.