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Mouse Csk Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16354b

Specification

Mouse Csk Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P41241

Mouse Csk Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 12988

Other Names
Tyrosine-protein kinase CSK, C-Src kinase, Protein-tyrosine kinase MPK-2, p50CSK, Csk

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Csk Antibody (C-term) Blocking Peptide - Protein Information

Name Csk

Function
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).

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

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Mouse Csk Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Mouse Csk Antibody (C-term) Blocking Peptide - Images

Mouse Csk Antibody (C-term) Blocking Peptide - Background

Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.