

# CSK Antibody

Rabbit mAb

Catalog # AP92466

## Product Information

---

<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">P41240</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	C SRC; Csk A; CSK; P60 Src;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	50704

## Additional Information

---

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human CSK
<b>Description</b>	Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

---

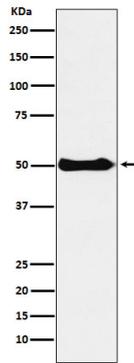
<b>Name</b>	CSK
<b>Function</b>	Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C- terminal tails of Src-family kinases (SFKs) including LCK, SRC, HCK, FYN, 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. May act as a negative regulator of EGFR and STAT3 signaling pathways (PubMed: <a href="#">26918609</a> ).
<b>Cellular Location</b>	Cytoplasm {ECO:0000250 UniProtKB:P41241}. Cell membrane {ECO:0000250 UniProtKB:P41241}. Note=Mainly cytoplasmic, also present in lipid rafts. {ECO:0000250 UniProtKB:P41241}

**Tissue Location**

Expressed in lung and macrophages.

**Images**

---



Western blot analysis of CSK expression in Ramos cell lysate.

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