

# Goat anti-CSK, Biotinylated Antibody

Peptide-affinity purified goat antibody

Catalog # AF4435a

## Product Information

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<b>Application</b>	WB, IHC, Pep-ELISA
<b>Primary Accession</b>	<a href="#">P41240</a>
<b>Other Accession</b>	<a href="#">NP_004374.1</a>
<b>Reactivity</b>	Human, Mouse, Rat, Dog, Bovine
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Clone Names</b>	CSK
<b>Calculated MW</b>	50704

## Additional Information

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<b>Gene ID</b>	1445
<b>Other Names</b>	CSK; c-src tyrosine kinase; C-Src kinase; protein-tyrosine kinase CYL
<b>Dilution</b>	WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A
<b>Format</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Immunogen</b>	Reported variants represent identical protein: NP_004374.1, NP_001120662.1
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Goat anti-CSK, Biotinylated Antibody 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.

**Cellular Location**

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

**Tissue Location**

Expressed in lung and macrophages.

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