

Rabbit CSK Polyclonal Antibody | anti-CSK antibody

CSK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323880	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

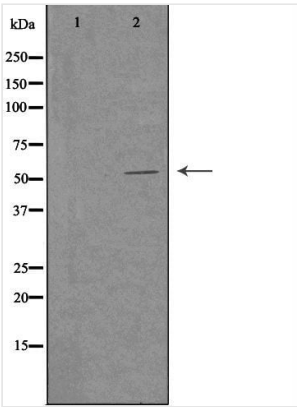
PRODUCT SYNONYMS

CSK; Polyclonal Antibody; CSK Antibody; C SRC; C SRC kinase; C src Tyrosine Kinase; C-SRC kinase; c-src tyrosine kinase; Csk A; CSK_HUMAN; CYTOPLASMIC TYROSINE KINASE; EC 2.7.10.2; MGC112926; MGC117393; MGC154049; P60 Src; Protein tyrosine kinase CYL; Protein-tyrosine kinase CYL; Proto oncogene tyrosine protein kinase; Tyrosine protein kinase CSK; Tyrosine-protein kinase CSK; zgc:154049; anti-CSK antibody

PRODUCT SPECIFICATIONS

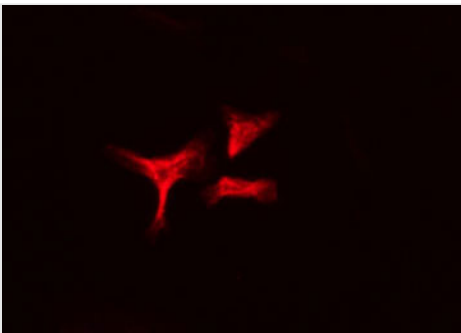
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CSK antibody detects endogenous levels of total CSK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	450
Applicable Applications for anti-CSK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cell Membrane. Mainly cytoplasmic, also present in lipid rafts.
Tissue Specificity	Expressed in lung and macrophages.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CSK antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323880 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CSK antibody

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 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.

Subunit Structure: Homodimer (via SH3-domain) (PubMed:19888460). Interacts with PTPN22 (PubMed:15208781). Interacts with phosphorylated SIT1, PAG1, LIME1 and TGFB111; these interactions serve to recruit CSK to the membrane where it can phosphorylate and inhibit Src-family kinases (PubMed:11433379, PubMed:10790433, PubMed:14610046, PubMed:10838081). Interacts with SRCIN1 (PubMed:17525734). Interacts with RHOF (PubMed:20851766). Interacts (via SH2 domain) with SCIMP (PubMed:21930792).

Post-translational Modifications: Phosphorylated at Ser-364 by PKA, leading to increased activity. Autophosphorylated.

Similarity: The architecture of this protein is similar to that of Src-family kinases (SFKs) with one N-terminal SH3 domain, one SH2 domain, and a C-terminal kinase domain. Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187475373
NCBI GeneID	1445
NCBI Accession #	NP_001120662.1
NCBI GenBank Nucleotide #	NM_001127190.1
UniProt Accession #	P41240; Q2M3N2; Q6FGZ6
Molecular Weight	Observed: 55 kD Predicted: 51 kDa
NCBI Official Full Name	tyrosine-protein kinase CSK
NCBI Official Synonym Full Names	C-terminal Src kinase
NCBI Official Symbol	CSK
NCBI Protein Information	tyrosine-protein kinase CSK
UniProt Protein Name	Tyrosine-protein kinase CSK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/csk-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323880>