
Product Name: KD-Validated C-Terminal Src Kinase Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00173**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.7kDa

Antigen Information

Gene Name	CSK
Alternative Names	CSK; C-Terminal Src Kinase; CSK, Non-Receptor Tyrosine Kinase; Tyrosine-Protein Kinase CSK; Protein-Tyrosine Kinase CYL; C-Src Tyrosine Kinase; C-Src Kinase; EC 2.7.10.2; EC 2.7.10
Gene ID	1445.0
SwissProt ID	P41240
Immunogen	A synthesized peptide derived from human CSK

Background

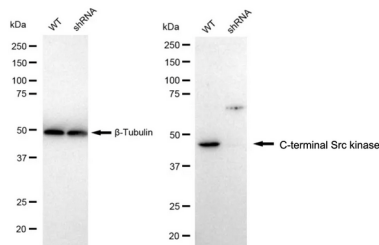
The protein encoded by this gene is involved in multiple pathways, including the regulation of Src family kinases. It plays an important role in T-cell activation through its association with the protein encoded by the protein tyrosine phosphatase, non-

receptor type 22 (PTPN22) gene. This protein also phosphorylates C-terminal tyrosine residues on multiple substrates, including the protein encoded by the SRC proto-oncogene, non-receptor tyrosine kinase gene. Phosphorylation suppresses the kinase activity of the Src family tyrosine kinases. An intronic polymorphism (rs34933034) in this gene has been found to affect B-cell activation and is associated with systemic lupus erythematosus (SLE). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]

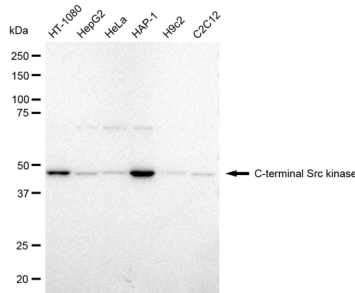
Research Area

Signal Transduction, Neuroscience

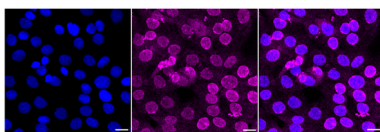
Image Data



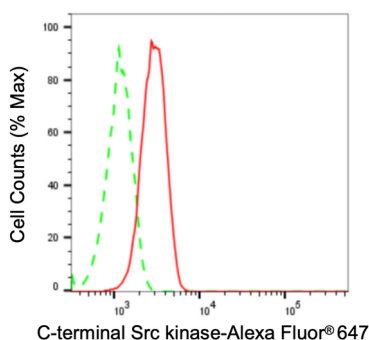
Western blotting analysis using C-terminal Src kinase antibody (KVA00173). C-terminal Src kinase expression in wild type (WT) and C-terminal Src kinase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with C-terminal Src kinase antibody (KVA00173, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using C-terminal Src kinase antibody (KVA00173). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with C-terminal Src kinase antibody (KVA00173, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with C-terminal Src kinase antibody (KVA00173, 1:1,000). Nuclei were stained blue with DAPI; C-terminal Src kinase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of C-terminal Src kinase expression in HT-1080 cells using C-terminal Src kinase antibody (KVA00173, 1:2,000). Green, isotype control; red, C-terminal Src kinase.