

**KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI2393****Specification**

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**KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">P41240</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 51 kDa; Observed, 48 kDa
Gene Name	CSK
Aliases	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
Immunogen	A synthesized peptide derived from human CSK

**KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody - Additional Information**

Gene ID	1445
<b>Other Names</b>	
Tyrosine-protein kinase CSK, 2.7.10.2, C-Src kinase, Protein-tyrosine kinase CYL, CSK	

**KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody - 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.

**Cellular Location**

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

## Tissue Location

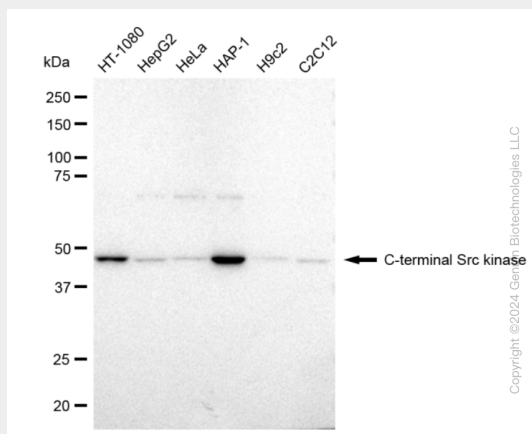
Expressed in lung and macrophages.

## KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody - Protocols

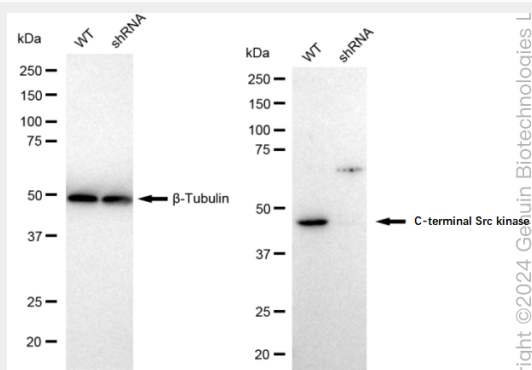
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

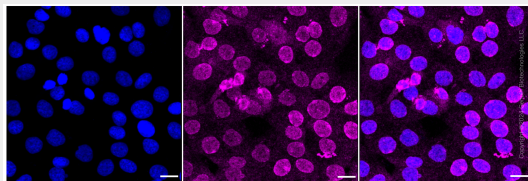
## KD-Validated Anti-C-terminal Src kinase Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-C-terminal Src kinase antibody (Cat#AGI2393). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-C-terminal Src kinase antibody (Cat#AGI2393, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-C-terminal Src kinase antibody (Cat#AGI2393). 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 anti-C-terminal Src kinase antibody (Cat#AGI2393, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HT-1080 cells with C-terminal Src kinase antibody (Cat#AGI2393, 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  $\mu$ m.