
anti-Csk

Cat #: HM1100
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Csk (C-terminal Src kinase) is a Src related tyrosine kinase containing both SH2 and SH3 domains and a catalytic domain. Unlike Src family PTKs, Csk lacks the myristoylation sequences, a unique N-terminal motif "SH4", the Src C-terminal phosphotyrosine regulatory tail, and the praline-containing SH2-catalytic domain linker. Csk phosphorylates Src family kinases at their C-terminal Tyr residue (Tyr-527 in Src), thus down-regulates their activities. Csk is ubiquitously expressed in mammalian cells and plays important roles in regulating neural development, T-cell development, and cytoskeletal organization.

SPECIFICITY

This antibody reacts with Csk of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding to the C-terminal of human Csk.

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCE

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4. Nada, S., Yagi, T., Takeda, H., Tokunaga, T., Nakagawa, H., Ikawa, Y., Okada, M., and Aizawa, S. 1993. Constitutive activation of Src family kinases in mouse embryos that lack *csk*. *Cell* 73: 1125-1135.
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6. Superti-Furga, G., Fumagalli, S., Koegl, M., Courtneidge, S.A., and Draetta, G. 1993. Csk inhibition of c-Src activity requires both the SH2 and SH3 domains of Src. *EMBO J.* 12: 2625-2634. Cloutier, J.F. and Veillette, A. (1996) Association of inhibitory tyrosine protein kinase p50*csk*

- with protein tyrosine phosphatase PEP in T cells and other hemopoietic cells. *EMBO J.* 15, 4909-4918
7. Lin, X., Lee, S. and Sun, G. (2003) Functions of the activation loop in Csk protein-tyrosine kinase. *J. Biol. Chem.* 278, 24072-24077

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