

anti-NCK

Cat #: HM1233
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

A number of signal transduction proteins have now been shown to contain conserved SH2 and SH3 domains characteristic of those originally identified in the Src family of tyrosine kinases. For instance, SH2 and SH3 domains have been identified in signaling enzymes such as phospholipase C α 1, Ras GAP, the SH-PTP1 and S H-PTP2 phosphatases and the Vav proto-oncogene product. A second class of SH2 and SH3-containing proteins, such as NCK, c-Crk and GRB2, do not have apparent catalytic domains and have been reported to serve as adapters to couple other signaling molecules. Nck is one of the signaling and transforming proteins containing SH2 and SH3 domains. It is located in the cytoplasm and is an adaptor protein involved in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS.

SPECIFICITY

This antibody can be used in detecting NCK1 and NCK2 of mouse, rat and human origin in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of NCK1: 42kDa
Western blotting positive controls: HeLa cells.

IMMUNOGEN

A peptide mapping at the carboxy terminus of NCK1 of human origin.

STORAGE

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

REFERENCES

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3. Matuoka, K., Shibata, M., Yamakawa, A., and Takenawa, T. 1992. Cloning of ASH, a ubiquitous protein composed of one Src homology region (SH) 2 and two SH3 domains, from human and rat cDNA libraries. *Proc. Natl. Acad. Sci. USA* 89: 9015-9019.
4. Chou, M.M., Fajardo, J.E., and Hanafusa, H. 1992. The SH2- and SH3-containing NCK protein transforms mammalian fibroblasts in the absence of elevated phosphotyrosine levels. *Mol. Cell. Biol.* 12: 5834-5842.

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