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# NCK1 (5B7) Mouse mAb

☑ 100 µl
(10 western blots)

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New 08/13

**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Entrez Gene ID** #4690
**UniProt ID** #P16333

| Applications | Species Cross-Reactivity* | Molecular Wt. | Isotype |
|---|---|---|---|
| W<br>Endogenous | H, M, R, Hm, Mk | 47 kDa | Mouse IgG** |

**Background:** NCK1 (also known as NCK or NCKα) is a broadly expressed oncogenic adapter protein consisting of three SH3 domains and one SH2 domain (1-3). NCK1 becomes phosphorylated upon activation of variety of cell surface receptors and is involved in actin cytoskeletal organization induced by many stimuli (4-6). NCK2 (also known as NCKβ), a homolog of NCK1, has an overlapping expression pattern and redundant functions with NCK1 (7).

**Specificity/Sensitivity:** NCK1 (5B7) Mouse mAb recognizes endogenous levels of total NCK1 protein.

**Source/Purification:** Monoclonal antibody is produced by immunizing animals with recombinant protein corresponding to a fragment of human NCK1 protein.

**Background References:**

(1) Lehmann, J.M. et al. (1990) *Nucleic Acids Res.* 18, 1048.

(2) Chou, M.M. et al. (1992) *Mol. Cell Biol.* 12, 5834-5842.

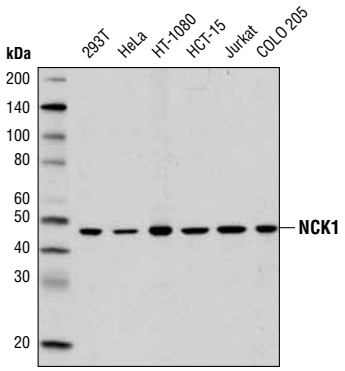
(3) Li, W. et al. (1992) *Mol. Cell Biol.* 12, 5824-5833.

(4) Verma, R. et al. (2006) *J. Clin. Invest.* 116, 1346-1359.

(5) Rivera, G.M. et al. (2006) *Proc. Natl. Acad. Sci. USA* 103, 9536-9541.

(6) Li, H. et al. (2006) *Biochem. Biophys. Res. Commun.* 349, 310-316.

(7) Bladt, F. et al. (2003) *Mol. Cell Biol.* 23, 4586-4597.




*Western blot analysis of extracts from various cell lines using NCK1 (5B7) Mouse mAb.*

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. *Do not aliquot the antibody.*

***Species cross-reactivity is determined by western blot.**

****Anti-mouse secondary antibodies must be used to detect this antibody.**

**Recommended Antibody Dilutions:**

| | |
|---|---|
| Western blotting | 1:1000 |

**For product specific protocols please see the web page for this product at www.cellsignal.com.**

**Please visit www.cellsignal.com for a complete listing of recommended companion products.**

**IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.**

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**Applications Key:** **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide
**Species Cross-Reactivity Key:** **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **Mi**—mink **C**—chicken **Dm**—D. melanogaster **X**—Xenopus **Z**—zebrafish **B**—bovine **Dg**—dog **Pg**—pig **Sc**—S. cerevisiae **Ce**—C. elegans **Hr**—horse **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.