

Monoclonal Antibody to Human Nck

Catalog No.:	DM3152
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	20B-1H9
Immunogen:	Recombinant human Nck protein.
Applications:	Immunoprecipitation. Western Blot. Recommended positive control: A431 Cells. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Nck is a highly conserved protein that has one SH2 and three SH3 domains. It is ubiquitously expressed in mammalian tissues. Nck is phosphorylated on tyrosine, serine, and threonine residues in response to stimulation by EGF and PDGF. Cellular Localization: cytoplasmic.
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	<ol style="list-style-type: none">1. Birge RB; et al. Genes Cells, 1996 , 1:595-613.2. Kitamura Y; et al. Biochemical J, 1997, 322:873-8.3. Lawe DC; Hahn C; Wong AJ. The Nck SH2/SH3 adaptor protein is present in the nucleus and associates with the nuclear protein SAM68. On cogene, 1997 Jan 16, 14(2):223-44. Lu W; Katz S; Gupta R; Mayer BJ. Activation of Pak by membrane localization mediated by an SH3 domain from the adaptor protein Nck. Current Biology, 1997 Feb 1, 7(2):85-55. Lussier G; Larose L. A casein kinase I activity is constitutively associated with Nck. Journal of Biological Chemistry, 1997 Jan 31, 272(5):2688-94.6. Morimoto C; Tachibana K. Beta 1 integrin-mediated signalling in human T cells. Human Cell, 1996, 9(3):163-8.7. Park D. Cloning, sequencing, and overexpression of SH2/SH3 adaptor protein Nck from mouse thymus. Molecules and Cells, 1997, 7(2):231-6.8. Schlaepfer DD; Broome MA; Hunter T. Fibronectin stimulated signaling from a focal adhesion kinase-c-Src complex: involvement of the Grb2, p130cas, and Nck adaptor proteins. Molecular and Cellular Biology, 1997 Mar, 17(3):1702-13.9. Su YC; Han J; Xu S; Cobb M; Skolnik EY. NIK is a new Ste20-related kinase that binds NCK and MEKK1 and activates the SAPK/JNK cascade via a conserved regulatory domain. Embo Journal, 1997, 16(6):1279-90.

For research and in vitro use only. Not for diagnostic or therapeutic work.

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16. Roche S; McGlade J; Jones M; Gish GD; Pawson T; Courtneidge SA. Requirement of phospholipase C gamma, the tyrosine phosphatase Syp and the adaptor proteins Shc and Nck for PDGF-induced DNA synthesis: evidence for the existence of Ras-dependent and Ras-independent pathways. *Embo Journal*, 1996 Sep 16, 15(18):4940-8.
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21. Tanaka M; Gupta R; Mayer BJ. Differential inhibition of signaling pathways by dominant-negative SH2/SH3 adapter proteins. *Molecular and Cellular Biology*, 1995 Dec, 15(12):6829-37.
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24. Li W; Hu P; Skolnik EY; Ullrich A; Schlessinger J. The SH2 and SH3 domain-containing Nck protein is oncogenic and a common target for phosphorylation by different surface receptors. *Molecular and Cellular Biology*, 1992 Dec, 12(12):5834-42.

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