

Product datasheet for **AM26753PU-N**

Nck (NCK1) (2nd SH3 dom.) Mouse Monoclonal Antibody [Clone ID: EM-06]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EM-06
Applications:	IF, WB
Recommended Dilution:	Western blot: 2 µg/ml. <i>Positive control:</i> Jurkat cell lysate. Immunocytochemistry: 2 µg/ml. <i>Positive control:</i> Human NCK1-transfected COS-7 cells.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant second SH3 domain of human Nck1 fused to GST
Specificity:	This antibody recognizes NCK1 (NCK alpha), an ubiquitously expressed cytoplasmic SH2/SH3 adaptor protein important for organization of actin cytoskeleton structures.
Formulation:	Phosphate buffered saline (PBS), approx. pH 7.4 State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	NCK adaptor protein 1
Database Link:	Entrez Gene 4690 Human P16333



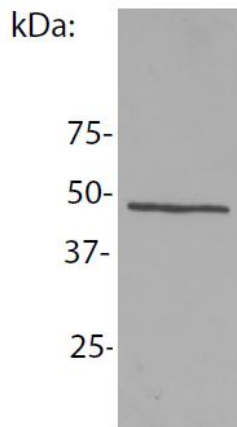
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Background:

NCK1 (NCK alpha) is a cytoplasmic adaptor protein that plays a universal role in coordinating the signaling networks critical for organizing the actin cytoskeleton, cell movement, or axon guidance, connecting transmembrane receptors to multiple intracellular signaling pathways. It contains one SH2 domain, through which NCK1 binds to phosphorylated domains of transmembrane signaling molecules or certain adaptor proteins, and three SH3 domains for binding proline-rich sequences of other molecules involved in the process of nucleation and polymerization of the actin cytoskeleton.

Synonyms:

Cytoplasmic protein NCK1, NCK, NCK adaptor protein 1

Product images:

Western blotting analysis of NCK1 in whole cell lysate of mouse lymph node lymphocytes using the antibody EM-06.