

Datasheet for ABIN1774727

**anti-NCK1 antibody****1** Image**1** Publication[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	NCK1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NCK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant second SH3 domain of human Nck1 fused to GST
Clone:	EM-06
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody EM-06 recognizes NCK1 (NCK alpha), an ubiquitously expressed cytoplasmic SH2/SH3 adaptor protein important for organization of actin cytoskeleton structures.
Cross-Reactivity (Details):	Human, Mouse
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	NCK1
Alternative Name:	NCK1 ( <a href="#">NCK1 Products</a> )
Background:	NCK adaptor protein 1,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.,NCK-1, NCKalpha
Gene ID:	4690
UniProt:	<a href="#">P16333</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">VEGFR1 Specific Signals</a>

## Application Details

Application Notes:	Western blotting: Recommended dilution: 2 µg/mL, positive control: Jurkat cell lysate. Immunocytochemistry: Recommended dilution: 2 µg/mL, positive control: human NCK1-transfected COS-7 cells.
Restrictions:	For Research Use only

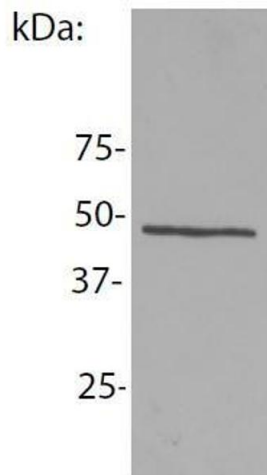
## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Do not use after expiration date stamped on vial label.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in: Borroto, Arellano, Dopfer, Prouza, Suchànek, Fuentes, Orfao, Schamel, Alarcón: "Nck recruitment to the TCR required for ZAP70 activation during thymic development." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 190, Issue 3, pp. 1103-12, (2013) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blotting analysis of NCK1 in whole cell lysate of mouse lymph node lymphocytes using the antibody EM-06 .