

NCK2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14107a

Product Information

Application WB, IHC-P, E **Primary Accession** 043639

Other Accession NP 001004720.1, NP 003572.2

Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB33920
Calculated MW 42915
Antigen Region 63-92

Additional Information

Gene ID 8440

Other Names Cytoplasmic protein NCK2, Growth factor receptor-bound protein 4, NCK

adaptor protein 2, Nck-2, SH2/SH3 adaptor protein NCK-beta, NCK2, GRB4

Target/SpecificityThis NCK2 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 63-92 amino acids from the N-terminal

region of human NCK2.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions NCK2 Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name NCK2

Synonyms GRB4

Function Adapter protein which associates with tyrosine-phosphorylated growth

factor receptors or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling.

Cellular Location Cytoplasm. Endoplasmic reticulum

Tissue Location Ubiquitous.

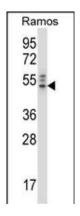
Background

This gene encodes a member of the NCK family of adaptor proteins. The protein contains three SH3 domains and one SH2 domain. The protein has no known catalytic function but has been shown to bind and recruit various proteins involved in the regulation of receptor protein tyrosine kinases. It is through these regulatory activities that this protein is believed to be involved in cytoskeletal reorganization. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

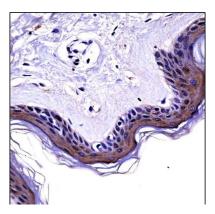
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Guan, S., et al. J. Invest. Dermatol. 129(8):1909-1920(2009) Liu, J., et al. PLoS ONE 4 (11), E7805 (2009): Akiyama, M., et al. Br J Ophthalmol 92(9):1293-1296(2008) Park, S., et al. J. Biomol. NMR 34(3):203-208(2006)

Images



NCK2 Antibody (N-term) (Cat. #AP14107a) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the NCK2 antibody detected the NCK2 protein (arrow).



NCK2 Antibody (N-term)
(AP14107a)immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NCK2

Antibody (N-term) for immunohistochemistry. Clinical

relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.