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NCK2 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP14107a

Specification

NCK2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession O43639

NCK2 Antibody (N-term) Blocking peptide - 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/Specificity
The synthetic peptide sequence used to generate the antibody AP14107a was selected from the N-term region of NCK2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NCK2 Antibody (N-term) Blocking peptide - 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.

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NCK2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

NCK2 Antibody (N-term) Blocking peptide - Images

NCK2 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the NCK family of adaptorproteins. The protein contains three SH3 domains and one SH2domain. The protein has no known catalytic function but has beenshown to bind and recruit various proteins involved in theregulation of receptor protein tyrosine kinases. It is throughthese regulatory activities that this protein is believed to beinvolved in cytoskeletal reorganization. Alternate transcriptionalsplice variants, encoding different isoforms, have beencharacterized.

NCK2 Antibody (N-term) Blocking peptide - 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)