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NCK1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8825a

Specification

NCK1 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P16333
Other Accession	Q99M51
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**42864**
Antigen Region	**3-29**

NCK1 Antibody (N-term) - Additional Information

Gene ID 4690

Other Names
Cytoplasmic protein NCK1, NCK adaptor protein 1, Nck-1, SH2/SH3 adaptor protein NCK-alpha, NCK1, NCK

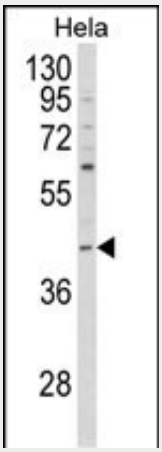
Target/Specificity
This NCK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-29 amino acids from the N-terminal region of human NCK1.

Dilution
WB~~1:1000
FC~~1:10~50

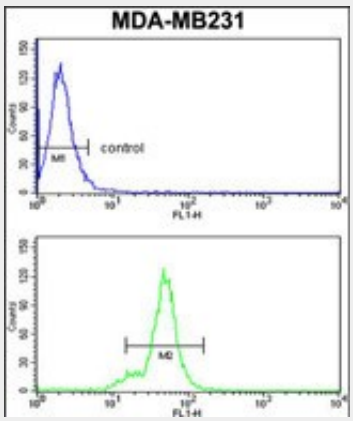
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
NCK1 Antibody (N-term) is for research use



Western blot analysis of NCK1 Antibody (N-term) (Cat. #AP8825a) in Hela cell line lysates (35ug/lane). NCK1 (arrow) was detected using the purified Pab.



NCK1 Antibody (N-term) (Cat.#AP8825a) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

NCK1 Antibody (N-term) - Background

NCK1 is one of the signaling and transforming proteins containing Src homology 2 and 3 (SH2 and SH3) domains. It is located in the cytoplasm and is an adaptor protein involved

only and not for use in diagnostic or therapeutic procedures.

NCK1 Antibody (N-term) - Protein Information

Name NCK1

Synonyms NCK

Function
Adapter protein which associates with tyrosine-phosphorylated growth factor receptors, such as KDR and PDGFRB, or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in the DNA damage response, not in the detection of the damage by ATM/ATR, but for efficient activation of downstream effectors, such as that of CHEK2. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling. Modulates the activation of EIF2AK2/PKR by dsRNA. May play a role in cell adhesion and migration through interaction with ephrin receptors.

Cellular Location
Cytoplasm. Endoplasmic reticulum. Nucleus. Note=Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Import into the nucleus requires the interaction with SOCS7 Predominantly nuclear following genotoxic stresses, such as UV irradiation, hydroxyurea or mitomycin C treatments

NCK1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS.

NCK1 Antibody (N-term) - References

Meisenhelder,J. et.al., Mol. Cell. Biol. 12 (12), 5843-5856 (1992)