

For Research Use Only

NCK2 Polyclonal antibody

Catalog Number: 10206-1-AP

Featured Product

2 Publications



Basic Information

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| Catalog Number: 10206-1-AP | GenBank Accession Number: BC000103 | Purification Method: Antigen affinity purification |
| Size: 600 µg/ml | GeneID (NCBI): 8440 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: O43639 | |
| Isotype: IgG | Full Name: NCK adaptor protein 2 | |
| Immunogen Catalog Number: AG0262 | Calculated MW: 43 kDa | |
| | Observed MW: 43 kDa | |

Applications

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| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : U-937 cells, IHC : human placenta tissue, |
| Cited Applications: WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Lots of the protein-protein interactions that are essential for eukaryotic intracellular signal transduction are mediated by protein binding modules including SH2, SH3, and LIM domains. NCK is a SH3- and SH2-containing adaptor protein implicated in coordinating various signaling pathways, including those of growth factor receptors and cell adhesion receptors. NCK-2 is a ubiquitously expressed and NCK-related adaptor protein comprising primarily three N-terminal SH3 domains and one C-terminal SH2 domain. NCK-2 interacts with PINCH, a LIM-only protein implicated in integrin-linked kinase signaling, and recognizes several key components of growth factor kinase-signaling pathways including EGF receptors, PDGF receptor, and IRS-1. NCK-2 may thus function as an adaptor protein connecting the growth factor receptor-signaling pathways with the integrin-signaling pathways. NCK-2 also interacts with focal adhesion kinase (FAK), a cytoplasmic protein tyrosine kinase critically involved in the cellular control of motility.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|------------------------------------|-------------|
| Mi Huang | 32508946 | Evid Based Complement Alternat Med | WB |
| Xiaodong Li | 38583810 | Biochem Pharmacol | WB |

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

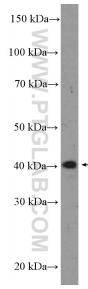
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E: Proteintech-CN@ptglab.com

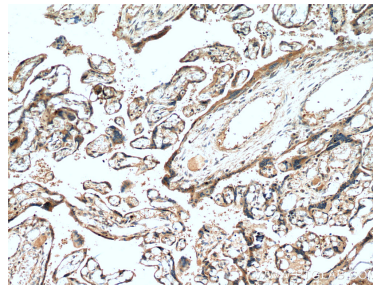
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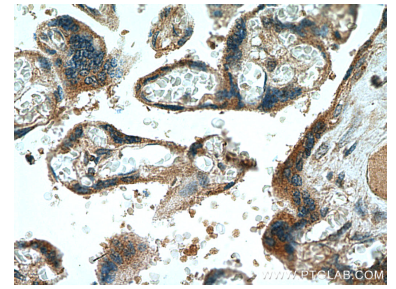
Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 10206-1-AP (NCK2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10206-1-AP (NCK2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10206-1-AP (NCK2 Antibody) at dilution of 1:200 (under 40x lens).