

## NCK1

**Reactivity:**Human Mouse

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**43kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human NCK1

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

NCK; nck-1; NCKalpha;

**Catalog #:**A0140

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4690

**Isotype:**IgG

**Swiss Prot:**P16333

**Purity:**Affinity purification

For research use only.

**Background:**

NCK family adaptor proteins function to couple tyrosine phosphorylation signals to regulate actin cytoskeletal reorganization that leads to cell motility. Cytoplasmic protein NCK1 (or NCK alpha) is an adapter protein which associates with tyrosine-phosphorylated growth factor receptors, such as KDR and PDGFRB, or their cellular substrates. NCK1 binds a number of intracellular proteins and influences various signaling pathways including GTPase-activating protein of Ras (RasGAP), which is responsible for the down-regulation of Ras. NCK1 is recently reported to regulate the UPR, which secondary to obesity impairs glucose homeostasis and insulin actions.

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