Best Tools for immunology Research

NCK1 Polyclonal Antibody

Catalog No :	YN0630
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	NCK1
Fields :	>>ErbB signaling pathway;>>Axon guidance;>>T cell receptor signaling pathway;>>Pathogenic Escherichia coli infection
Gene Name :	NCK1 NCK
Protein Name :	Cytoplasmic protein NCK1 (NCK adaptor protein 1) (Nck-1) (SH2/SH3 adaptor protein NCK-alpha)
Human Gene Id :	4690
Human Swiss Prot No :	P16333
Mouse Swiss Prot No :	Q99M51
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	NCK1 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 41kD

Cell Pathway : ErbB_HER;Axon guidance;T_Cell_Receptor;Pathogenic Escherichia coli infection;

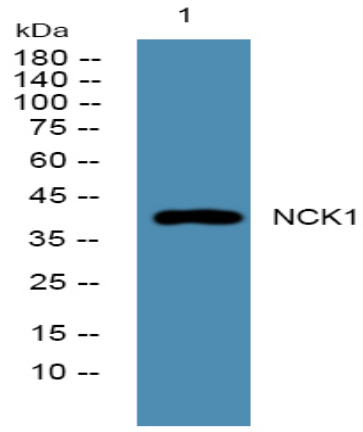
Background : The protein encoded by this gene is one of the signaling and transforming proteins containing Src homology 2 and 3 (SH2 and SH3) domains. It is located in the cytoplasm and is an adaptor protein involved in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS. Alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Jun 2010],

Function : 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.,PTM:Phosphorylated on Ser and Tyr residues.,similarity:Contains 1 SH2 domain.,similarity:Contains 3 SH3 domains.,subunit:Associates with BLNK, PLCG1, VAV1 and NCK1 in a B-cell antigen receptor-dependent fashion. Interacts with SOCS7. Part of a complex containing PPP1R15B, PP1 and NCK1. Interacts with RALGPS1.,

Subcellular Location : Cytoplasm. Endoplasmic reticulum. Nucleus. 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.

Expression : Epithelium,Platelet,Uterus,

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4°over night