SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Nck beta antibody

SL4280R

Product Name:	Nck beta
Chinese Name:	NCK衔接蛋白2抗体
Alias:	Cytoplasmic protein NCK2; NCK2; GRB4; Growth factor receptor bound protein 4; NCK adaptor protein 2; Nck-2; NCK2; NCK2_HUMAN; NCKbeta; Non-catalytic region of tyrosine kinase adaptor protein 2; Noncatalytic region of tyrosine kinase beta; SH2/SH3 adaptor protein NCK-beta; SH2/SH3 adaptor protein NCK-beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NCK2/Nck beta:301-380/380
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the NCK family of adaptor proteins. The protein contains three SH3 domains and one SH2 domain. The protein has no known catalytic function but has been shown to bind and recruit various proteins involved in the regulation of receptor protein tyrosine kinases. It is through these regulatory activities

that this protein is believed to be involved in cytoskeletal reorganization. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].

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.

Subunit:
Interacts with DOCK1, LIMS1 and TGFB1I1. Part of a complex containing PPP1R15B, PP1 and NCK2. Interacts with FASLG (By similarity). Interacts with AXL. Interacts with PAK1, PKN2 and SOS1. Interacts (via SH2 domain) with EGFR. Interacts (via SH2 domain) with DDR1.

Subcellular Location:
Cytoplasm. Endoplasmic reticulum.

Tissue Specificity:
Ubiquitous.

Post-translational modifications:
Phosphorylated.

Similarity:
Contains 1 SH2 domain.
Contains 3 SH3 domains.

SWISS:
O43639

Gene ID:
8440

Database links:

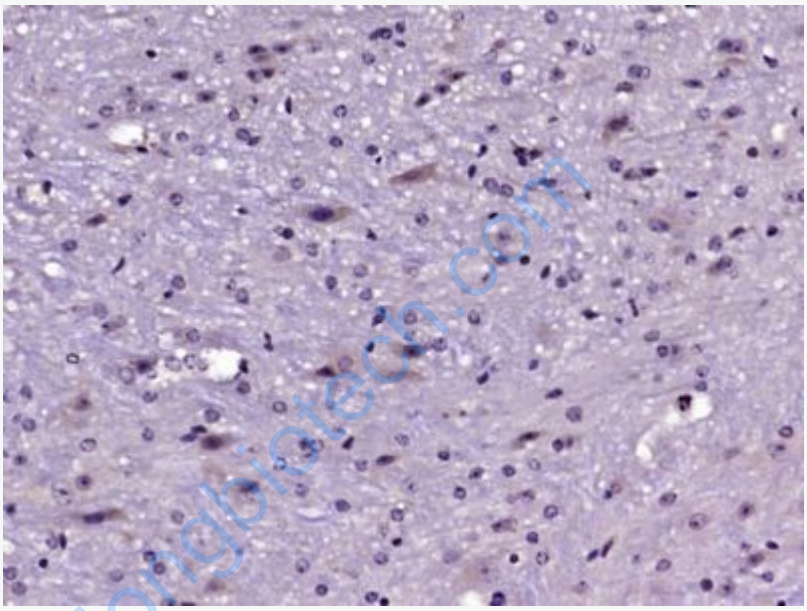
Entrez Gene: 8440 Human

Entrez Gene: 17974 Mouse

Omim: 604930 Human

SwissProt: O43639 Human

SwissProt: O55033 Mouse

	Unigene: 529244 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Nck beta) Polyclonal Antibody, Unconjugated (SL4280R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.