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

[Primary Antibody]

Rabbit Anti-NCKAP1 antibody

Catalog Number: SL6204R

FOR RESEARCH USE ONLY

[DATASHEET]

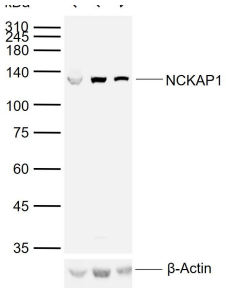
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	NCKAP1
Immunogen:	KLH conjugated synthetic peptide derived from human NCKAP1: 1021-1128/1128
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Dog,Pig,Cow,Horse,GuineaPig)
Predicted MW.:	129kDa
Subcellular Location:	The cell membrane
Background:	Contributes to small GTPase binding activity. Involved in Rac protein signal transduction; positive regulation of Arp2/3 complex-mediated actin nucleation; and positive regulation of lamellipodium assembly. Located in extracellular exosome and focal adhesion. Part of SCAR complex. [provided by Alliance of Genome Resources, Apr 2022] **Function:** Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes. **Subcellular Location:** Cell membrane. Cell projection **Tissue Specificity:** Expressed in all tissues examined except peripheral blood leukocytes, with highest expression in brain, heart, and skeletal muscle. Expressed in cells of various brain regions including Purkinje cells and dentate

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

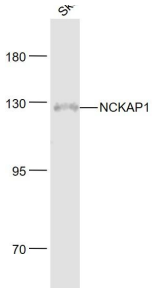
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	nucleus of the cerebellum, CA4 region and dentate gyrus of the hippocampus, and in frontal gray and white matter **Similarity:** Belongs to the HEM-1/HEM-2 family. **Database links:** **Entrez Gene:** 10787 Human **Entrez Gene:** 50884 Mouse **Entrez Gene:** 58823 Rat **SwissProt:** Q9Y2A7 Human **SwissProt:** P28660 Mouse **SwissProt:** P55161 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Human HepG2 cell lysates
Lane 2: Human HeLa cell lysates
Lane 3: Human 293T cell lysates
Primary: Anti-NCKAP1 (SL6204R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 129 kDa
Observed band size: 135 kDa



Sample:
Skeletal muscle (Mouse) Lysate at 40 ug
Primary: Anti- NCKAP1 (SL6204R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 129 kD
Observed band size: 129 kD

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