



Rabbit Anti-NCKAP1 antibody

SL6204R

Product Name:	NCKAP1
Chinese Name:	膜相关的蛋白质HEM2抗体
Alias:	NCK associated protein 1; NCK associated protein 1; Membrane associated protein HEM2; Membrane-associated protein HEM-2; NAP 1; NAP1; NAP125; NCK associated protein; Nck-associated protein 1; Nckap1; NCKP1_HUMAN; p125Nap1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Guinea Pig,G
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:	129kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 12 NCKAP1:1001-1132/1132
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:	NAP125, also known as NCKAP1 (NCK-associated protein 1), p125Nap1 or membrane-associated protein HEM-2, is a 1,128 amino acid single pass membrane protein that exists as two alternatively spliced isoforms and belongs to the HEM-1/HEM-2 family. While widely expressed, NAP125 is found at highest levels in heart, brain and skeletal muscle where it regulates Rac-dependent actin remodeling as part of a

lamellipodial complex with WAVE2, Abi-1 and CYFIP1. NAP125 localizes to the cytoplasmic side of lamellipodium membrane and is encoded by a gene that maps to human chromosome 2q32.1 and mouse chromosome 2 C3. NAP125 expression is markedly reduced in Alzheimer disease (AD)-affected brains, suggesting a possible role in the disease.

Function:

Is part of lamellipodial complex that controls Rac-dependent actin remodeling. 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.

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.

Similarity:

Belongs to the HEM-1/HEM-2 family.

SWISS:

P55160

Gene ID:

3071

Database links:

[Entrez Gene: 3071](#) Human

[Entrez Gene: 105855](#) Mouse

[Entrez Gene: 315348](#) Rat

[Omim: 141180](#) Human

[SwissProt: P55160](#) Human

[Unigene: 182014](#) Human

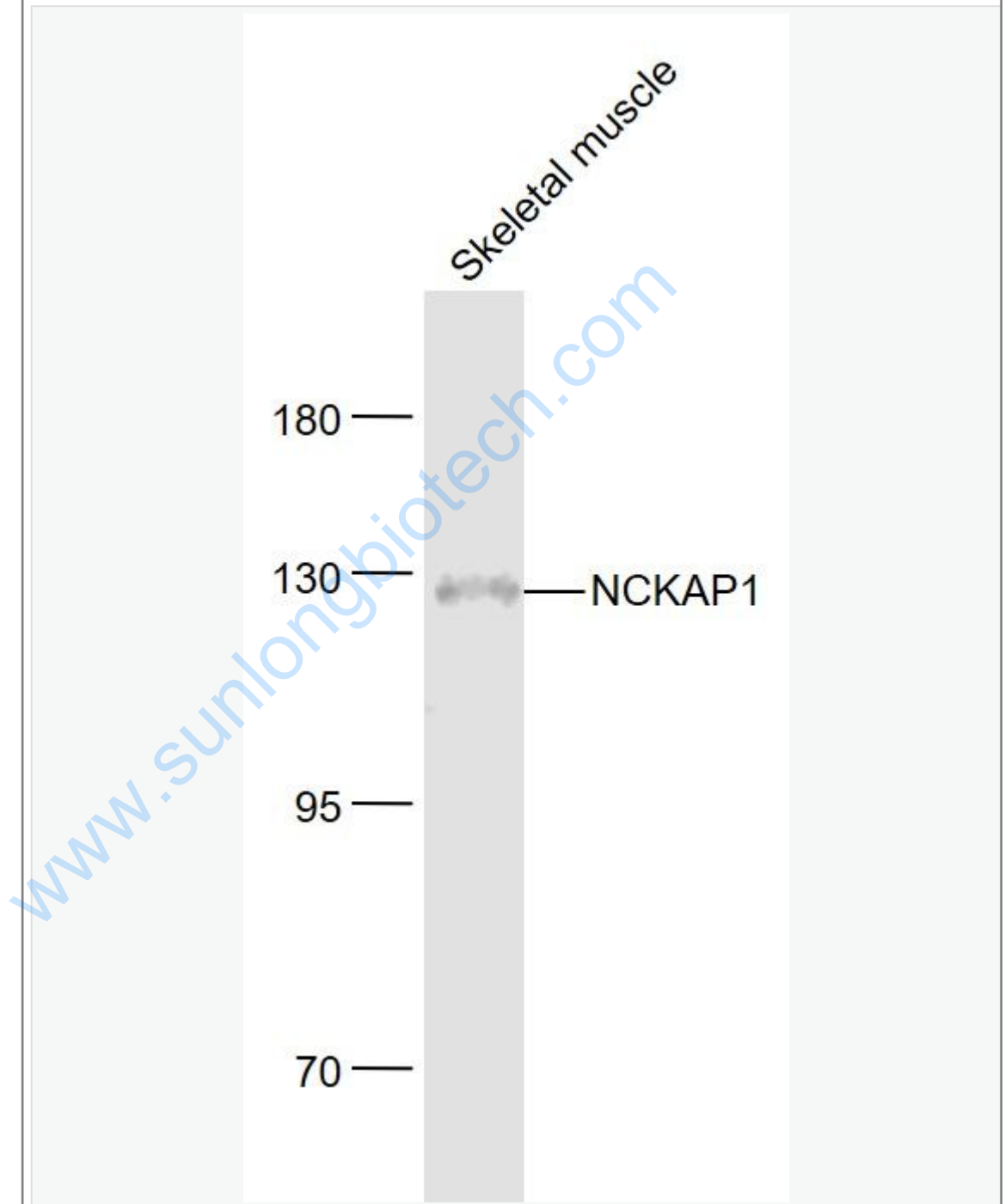
[Unigene: 30805](#) Mouse

[Unigene: 149002](#) Rat

Important Note:

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

Picture:



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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