10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NCKAP1 Antibody (internal region)

Peptide-affinity purified goat antibody

Catalog # AF3839a

Specification

NCKAP1 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9Y2A7
Other Accession	NP_038464.1, NP_995314.1, 10787, 50884 (mouse), 58823 (rat)
Predicted	**Human, Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**128790**

NCKAP1 Antibody (internal region) - Additional Information

Gene ID 10787

Other Names
Nck-associated protein 1, NAP 1, Membrane-associated protein HEM-2, p125Nap1, NCKAP1, HEM2, KIAA0587, NAP1

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NCKAP1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NCKAP1 Antibody (internal region) - Protein Information

Name NCKAP1

Synonyms HEM2, KIAA0587, NAP1

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.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P28660}; Single-pass membrane protein {ECO:0000250|UniProtKB:P28660}; Cytoplasmic side {ECO:0000250|UniProtKB:P28660}. Cell projection, lamellipodium membrane {ECO:0000250|UniProtKB:P28660}; Single-pass membrane protein {ECO:0000250|UniProtKB:P28660}; Cytoplasmic side {ECO:0000250|UniProtKB:P28660}. Note=At the interface between the lamellipodial actin meshwork and the membrane {ECO:0000250|UniProtKB:P28660}

Tissue Location
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 nucleus of the cerebellum, CA4 region and dentate gyrus of the hippocampus, and in frontal gray and white matter (PubMed:28940097).

NCKAP1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NCKAP1 Antibody (internal region) - Images

NCKAP1 Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_038464.1; NP_995314.1).

NCKAP1 Antibody (internal region) - References

Molecular cloning of a novel apoptosis-related gene, human Nap1 (NCKAP1), and its possible relation to Alzheimer disease. Suzuki T, Nishiyama K, Yamamoto A, Inazawa J, Iwaki T, Yamada T, Kanazawa I, Sakaki Y. Genomics. 2000 Jan 15;63(2):246-54. PMID: 10673335