

## NCKAP1 Polyclonal Antibody

Catalog number: 12140-1-AP

Size: 20 µg/150 µl

Source: Rabbit

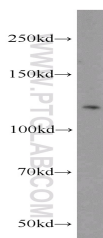
Isotype: IgG

Synonyms:

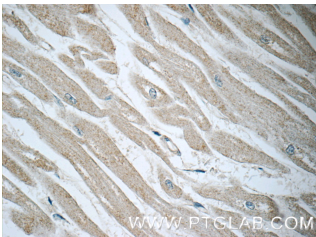
NCKAP1; FLJ11291, HEM2,

KIAA0587, NAP 1, NAP1,

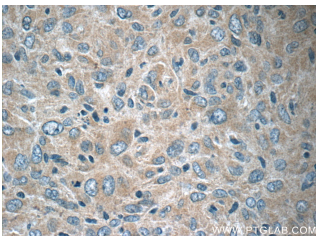
NAP125, NCK associated protein 1, NCKAP1, p125Nap1



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12140-1-AP(NAP1;NCKAP1 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human heart tissue slide using 12140-1-AP( NAP1;NCKAP1 Antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 12140-1-AP( NAP1;NCKAP1 Antibody) at dilution of 1:50 (under 40x lens)

### Background

NCK-associated protein 1 (NCKAP1), also known as NAP1 or HEM2, is encoded by an apoptosis-related gene human NAP1, the expression of which is strongly down-regulated in sporadic Alzheimer's disease (AD). Human NAP1 is predominantly expressed in neuronal cells. Antisense oligo DNA of human NAP1 transcripts was found to induce apoptosis of neuronal cells. Loss of NAP1 function disrupts neuronal differentiation. Likewise, NAP1 plays an essential role in facilitating neuronal cytoskeletal changes underlying the postmigratory differentiation of cortical neurons, a critical step in functional wiring of the cortex. Human NAP1 is also proved to be an orthologue of rat Nap1 which binds to the adaptor molecule NCK in signal transduction.

### Applications

<b>Tested applications:</b>	ELISA, WB, IHC
<b>Cited applications:</b>	WB
<b>Species specificity:</b>	Human, Mouse, Rat; other species not tested.
<b>Cited species:</b>	Human
<b>Calculated NCKAP1 MW:</b>	129 kDa
<b>Observed NCKAP1 MW:</b>	115-125 kDa
<b>Positive WB detected in</b>	Mouse brain tissue, HepG2 cells, human brain tissue
<b>Positive IHC detected in</b>	Human gliomas tissue, human heart tissue
<b>Recommended dilution:</b>	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

<b>Immunogen:</b>	Ag2788
<b>GenBank accession number:</b>	BC015025
<b>Gene ID (NCBI):</b>	10787
<b>Full name:</b>	NCK-associated protein 1

### Product information

<b>Purification method:</b>	Antigen affinity purification
<b>Storage:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.