

For Research Use Only

# NAP1;NCKAP1 Recombinant antibody

Catalog Number:85142-2-RR



## Basic Information

<b>Catalog Number:</b> 85142-2-RR	<b>GenBank Accession Number:</b> BC015025	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10787	<b>CloneNo.:</b> 242784C5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2A7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> NCK-associated protein 1	
<b>Immunogen Catalog Number:</b> AG2788	<b>Calculated MW:</b> 129 kDa	
	<b>Observed MW:</b> 115-125 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293T cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

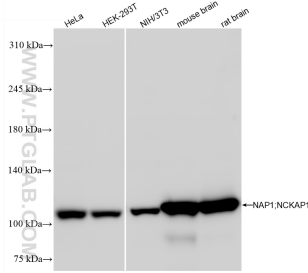
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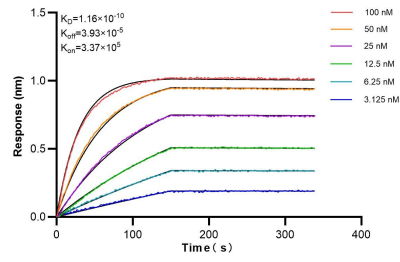
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85142-2-RR (NAP1;NCKAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85142-2-RR against Human NAP1;NCKAP1 were performed. The affinity constant is 0.116 nM.