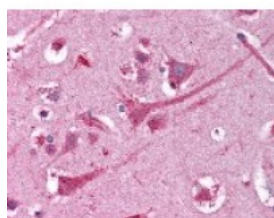




## NEK9 Antibody

CATALOG NUMBER: 48-790



Immunohistochemistry staining of NEK9 in brain cortex tissue using NEK9 Antibody.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	IHC, IP, WB
<b>APPLICATIONS:</b>	NEK9 antibody can be used in immunohistochemistry starting at 10 ug/mL, immunofluorescence, immunoprecipitation, and flow cytometry.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>IMMUNOGEN:</b>	NEK9 antibody was raised against a peptide located in the middle region of of NEK9 (Human).
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	Immunoaffinity Chromatography
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Phosphate-buffered solution, pH 7.2, 0.09% sodium azide, 50% glycerol.
<b>STORAGE CONDITIONS:</b>	Store NEK9 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	NEK9, KIAA1995, NERCC, NERCC1, Nercc1 kinase, NIMA-related kinase 8, NIMA-related kinase Nek8, NIMA-related kinase 9, NimA-related protein kinase 9
<b>ACCESSION NO.:</b>	Q8TD19
<b>PROTEIN GI NO.:</b>	116242675
<b>OFFICIAL SYMBOL:</b>	NEK9
<b>GENE ID:</b>	91754

### Background

**BACKGROUND:** NEK9, a NEK type protein kinase, regulates chromosome alignment and segregation in mitosis. The protein has

a N-terminal NIMA-like catalytic domain, a central domain with homology to the guanine nucleotide exchange factor for the GTPase Ran (RCC1), and a C-terminal coiled-coil domain. It is phosphorylated by active p34(Cdc2) and is capable of autophosphorylation and oligomerization. The activated protein binds Nek6 and RCC1, and has been shown to associate with the human homolog of the Drosophila protein Bicaudal D (Bicd2) in vivo and to phosphorylate this coiled-coil protein in vitro.

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**FOR RESEARCH USE ONLY**

December 20, 2016