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# Datasheet for ABIN1049089 anti-NEK6 antibody (N-Term)

3 Images



# Overview

Quantity:	50 µg
Target:	NEK6
Binding Specificity:	N-Term
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

# Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 14 amino acid peptide from N-terminus of human NEK6. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%), Mouse, Rat, Hamster, Panda, Dog, Horse, Pig (86%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human NEK6. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%) Mouse, Rat, Hamster, Panda, Dog, Horse, Pig (86%).
Purification:	Immunoaffinity purified

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# Target Details

Target:	NEK6
Alternative Name:	NEK6 (NEK6 Products)
Background:	Name/Gene ID: NEK6
	Subfamily: NEK
	Family: Protein Kinase
	Synonyms: NEK6, NIMA-related kinase 6, Protein kinase SID6-1512, NimA-related protein kinase
	6, SID6-1512
Gene ID:	10783
Application Details	
Application Notes:	Approved: IHC, IHC-P (10 μg/mL)
	Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry
	on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after proteinase K
	antigen retrieval. After incubation with the primary antibody, slides were incubated with
	biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen
	The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal
	working concentration for this antibody was determined to be 7 $\mu$ g/mL.
Comment:	Target Species of Antibody: Human
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
	Tissue Preparation
	Formalin fixation and embedding in paraffin wax
	Tissue Sectioning
	Make 4-µm sections and place on pre-cleaned and charged microscope slides.
	Heat in a tissue-drying oven for 45 minutes at 60°C
	Deparaffinization
	Wash slides in 3 changes of xylene – 5 minutes each at room temperature.
	Rehydration
	Wash slides in 3 changes of $100\%$ alcohol – 3 minutes each at room temperature

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

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#### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

#### Immunostaining

Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water - 1 minute at room temperature.

#### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip

#### Restrictions:

For Research Use only

## Handling

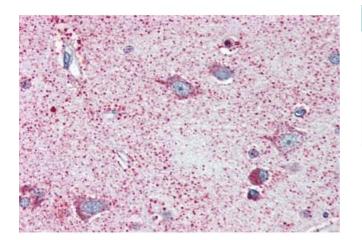
Format:	Liquid
Concentration:	Lot specific

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# Handling

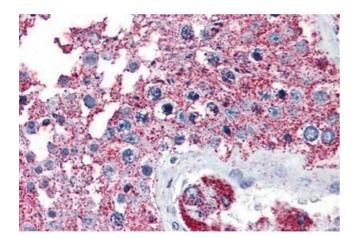
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

# Images



## Immunohistochemistry

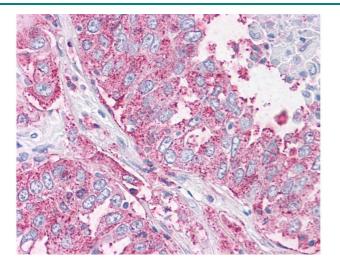
**Image 1.** Anti-NEK6 antibody ABIN1049089 IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



## Immunohistochemistry

**Image 2.** Anti-NEK6 antibody ABIN1049089 IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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### Immunohistochemistry

**Image 3.** Anti-NEK6 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalinfixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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