

ARG40446 anti-NEK3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NEK3
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NEK3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 267-506 of Human NEK3 (NP_689933.1).
Conjugation	Un-conjugated
Alternate Names	HSPK36; Never in mitosis A-related kinase 3; HSPK 36; Serine/threonine-protein kinase Nek3; EC 2.7.11.1; NimA-related protein kinase 3

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	55 kDa	

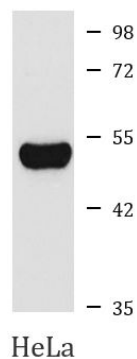
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NEK3
Gene Full Name	NIMA-related kinase 3
Background	This gene encodes a member of the NimA (never in mitosis A) family of serine/threonine protein kinases. The encoded protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the cytoplasm. The kinase is activated by prolactin stimulation, leading to phosphorylation of VAV2 guanine nucleotide exchange factor, paxillin, and activation of the RAC1 GTPase. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]
Function	Protein kinase which influences neuronal morphogenesis and polarity through effects on microtubules. Regulates microtubule acetylation in neurons. Contributes to prolactin-mediated phosphorylation of PXN and VAV2. Implicated in prolactin-mediated cytoskeletal reorganization and motility of breast cancer cells through mechanisms involving RAC1 activation and phosphorylation of PXN and VAV2. [UniProt]
Calculated Mw	58 kDa
PTM	Phosphorylation at Thr-479 regulates its catalytic activity. [UniProt]
Cellular Localization	Cytoplasm. Cell projection, axon. [UniProt]

Images



ARG40446 anti-NEK3 antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG40446 anti-NEK3 antibody at 1:1000 dilution.