

Purified anti-NEK9

- Catalog # / Size:** 624102 / 200 µl (20 Western blots)
Clone: Poly6241
Isotype: Rabbit IgG
Immunogen: Partial recombinant protein, responding to the middle region of NEK-9
Reactivity: Reacts with human NEK9
Preparation: The antibody was purified by antigen-affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage: Upon receipt, store frozen at -20° C.

Applications:

- Applications:** WB - *Quality tested*
 IHC, IP - *Reported in the literature*

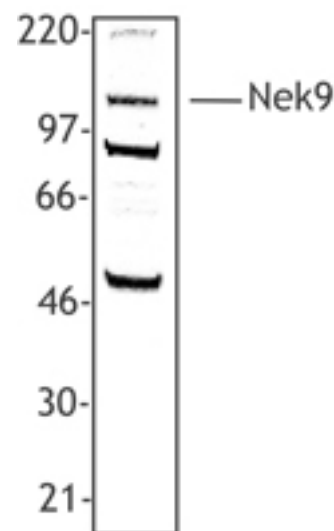
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. For IHC, use a 1:50 dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Tan BCM and Lee SC. 2004. *J. Biol. Chem.* 279:9321. (IHC, IP)

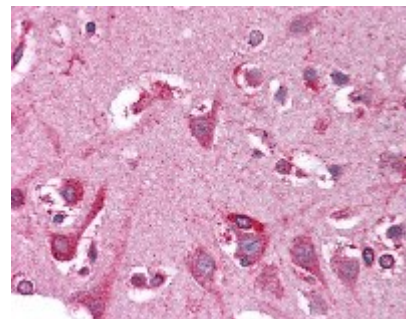
Description: NEK9 is a 107 kD member of the serine/threonine-protein kinase family, NIMA subfamily containing a coiled-coil domain, and RCC1 repeats. This cytoplasmic protein forms dimers and is a pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation, Nek9 is activated during mitosis by intramolecular autophosphorylation at Thr210. Nek9 has been shown to interact with Ran GTPase (greater affinity for Ran-GDP over Ran-GTP), NEK6, NEK7, BICD2, histone H3, myelin basic protein, and β-casein. The Poly6241 antibody recognizes human NEK9 and has been shown to be useful for Western blotting, immunohistochemistry, and immunoprecipitation.

Antigen References: 1. Holland P, *et al.* 2002. *J. Biol. Chem.* 277:16229.
 2. Roig J, *et al.* 2002. *Genes Dev.* 16:1640.
 3. Belham C, *et al.* 2003. *J. Biol. Chem.* 278:34897.

Related Products:	Product	Clone	Application
	HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB



HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-NEK9 polyclonal antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



Formalin-fixed paraffin-embedded human brain cortex tissue was stained with Poly6241 and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.



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