

NEK9 Polyclonal Antibody

Catalog NumberPA5-33961

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Bovine, Chicken, Horse, Human, Mouse, Non-human primate, Pig
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	4 µg/mL
Immunogen	Synthetic 20 amino acid peptide from kinase domain of human NEK9.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

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. NEK9 expression has been documented in normal human brain. ESTs have been isolated from several tissue libraries, including normal bone, lymph and thymus and cancerous cervix, eye, lymph and placenta.

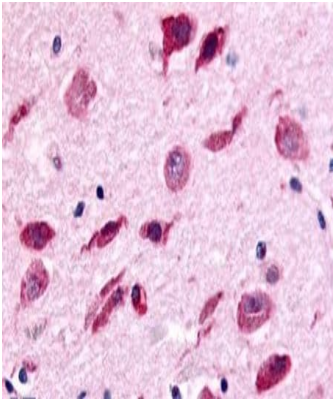
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Product Images For NEK9 Polyclonal Antibody



NEK9 Antibody (PA5-33961) in IHC (P)
Immunohistochemical analysis of formalin-fixed paraffin-embedded human brain using a NEK9 polyclonal antibody (Product # PA5-33961). Heat-induced antigen retrieval was performed prior to staining.

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