

Nek9 (phospho Thr210) Polyclonal Antibody
Catalog # AP67496**Specification****Nek9 (phospho Thr210) Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	Q8TD19
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Nek9 (phospho Thr210) Polyclonal Antibody - Additional Information**Gene ID** 91754**Other Names**

NEK9; KIAA1995; NEK8; NERCC; Serine/threonine-protein kinase Nek9; Nercc1 kinase; Never in mitosis A-related kinase 9; NimA-related protein kinase 9; NimA-related kinase 8; Nek8

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Nek9 (phospho Thr210) Polyclonal Antibody - Protein Information**Name** NEK9 {ECO:0000303|PubMed:12840024, ECO:0000312|HGNC:HGNC:18591}**Function**

Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation (PubMed:12101123, PubMed:12840024, PubMed:14660563, PubMed:19941817). Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2 (PubMed:11864968). Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues (PubMed:11864968). Important for G1/S transition and S phase progression (PubMed:12840024, PubMed:14660563),

PubMed:19941817). Phosphorylates NEK6 and NEK7 and stimulates their activity by releasing the autoinhibitory functions of Tyr-108 and Tyr-97 respectively (PubMed:12840024, PubMed:14660563, PubMed:19941817, PubMed:26522158).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

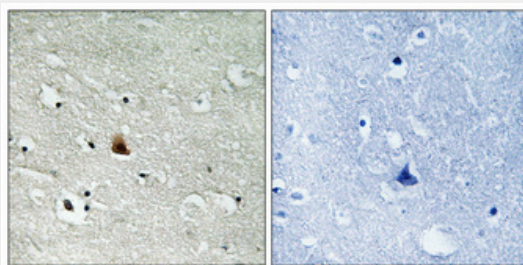
Most abundant in heart, liver, kidney and testis. Also expressed in smooth muscle cells and fibroblasts

Nek9 (phospho Thr210) Polyclonal Antibody - Protocols

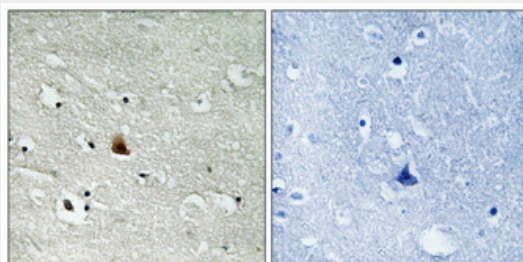
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Nek9 (phospho Thr210) Polyclonal Antibody - Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



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Nek9 (phospho Thr210) Polyclonal Antibody - Background

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