

NEK11 Rabbit pAb

Catalog # AP98082

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NG66
Other Accession	Q8NG66
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74192
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NEK11
Epitope Specificity	151-250/645
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain.
Post-translational modifications	Phosphorylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the never in mitosis gene A family of kinases. The encoded protein localizes to the nucleoli, and may function with NEK2A in the S-phase checkpoint. The encoded protein appears to play roles in DNA replication and response to genotoxic stress. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2009]

Additional Information

Gene ID	79858
Other Names	4932416N14Rik; NEK11_HUMAN; NEK11; Never in mitosis A-related kinase 11 (NimA-related protein kinase 11); 2.7.11.1; NEK11_MOUSE; NIMA related kinase 11; NIMA (never in mitosis gene a)- related kinase 11
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NEK11 (HGNC:18593)
Function	Protein kinase which plays an important role in the G2/M checkpoint response to DNA damage. Controls degradation of CDC25A by directly phosphorylating it on residues whose phosphorylation is required for BTRC-mediated polyubiquitination and degradation.
Cellular Location	Nucleus. Nucleus, nucleolus. Note=Nuclear during interphase but moves to the polar microtubules during prometaphase and metaphase (PubMed:12154088). Accumulates in the nucleolus in G1/S-arrested cells (PubMed:15161910).
Tissue Location	Poorly expressed in cerebellum, trachea, lung, appendix, and uterus.

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