

For Research Use Only

NEK9 Polyclonal antibody

Catalog Number: 51057-2-AP



Basic Information

Catalog Number: 51057-2-AP	GenBank Accession Number: BC009336	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 91754	Recommended Dilutions: IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q8TD19	
Isotype: IgG	Full Name: NIMA (never in mitosis gene a)-related kinase 9	
Immunogen Catalog Number: AG1689	Calculated MW: 107 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : COS-7 cells,
Species Specificity: human, monkey	

Background Information

NEK9 is also named as KIAA1995, NEK8, NERCC and belongs to the NEK Ser/Thr protein kinase family. It is independently identified as a Nek6- and Ran GTPase- binding protein under a different name, Nercc1 (PMID:14660563). Nek9, together with the highly similar Nek6 and Nek7, form a signaling module that is activated during mitosis and involved in the regulation of the mitotic spindle. Confocal microscopy identified that Nek9 was localized to the spindle poles at the metaphase stages and associated with the midbody at anaphase or telophase stage in both meiotic oocytes and the first mitotic embryos (PMID: 23159858). The endogenous Nek9 (with predicted molecular mass of 120 kDa) has an apparent molecular mass of 600 kDa, also compatible with a tetramer (PMID:21454704).

Storage

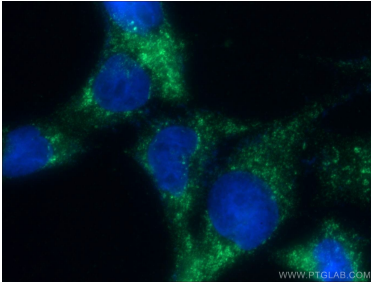
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunofluorescent analysis of (10% Formaldehyde) fixed COS-7 cells using 51057-2-AP (NEK9 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).