

NEK9 Rabbit mAb

Catalog # AP75794

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	Q8TD19
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	107168

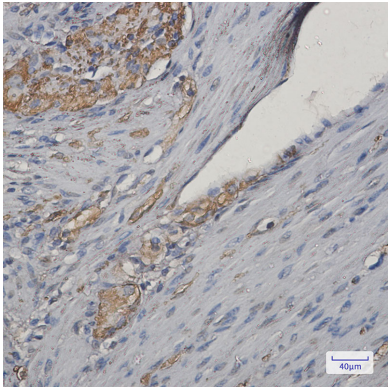
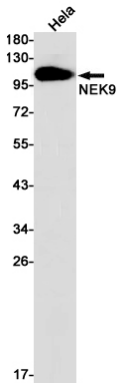
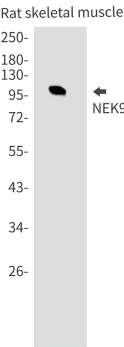
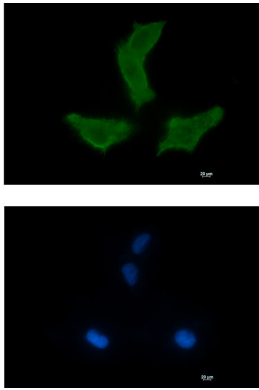
Additional Information

Gene ID	91754
Other Names	NEK9
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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

Images



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