

Product Name: NEK6 (6Q4) Rabbit Monoclonal Antibody
Catalog #: AMRe14555



Summary

Production Name	NEK6 (6Q4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	NEK6
Alternative Names	NEK6; NimA related protein kinase 6; SID61512;
Gene ID	10783.0
SwissProt ID	Q9HC98.A synthetic peptide of human NEK6

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	36kDa

Background

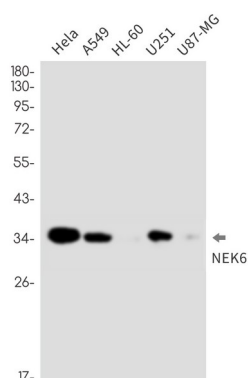
Activated during M phase. Required for chromosome segregation at metaphase-anaphase transition and therefore for

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mitotic progression. Inhibition of activity results in apoptosis. Phosphorylates KIF11 to promote mitotic spindle formation. Protein kinase which plays an important role in mitotic cell cycle progression (PubMed:14563848). Required for chromosome segregation at metaphase-anaphase transition, robust mitotic spindle formation and cytokinesis (PubMed:19414596). Phosphorylates ATF4, CIR1, PTN, RAD26L, RBBP6, RPS7, RPS6KB1, TRIP4, STAT3 and histones H1 and H3 (PubMed:12054534, PubMed:20873783). Phosphorylates KIF11 to promote mitotic spindle formation (PubMed:19001501). Involved in G2/M phase cell cycle arrest induced by DNA damage (PubMed:18728393). Inhibition of activity results in apoptosis. May contribute to tumorigenesis by suppressing p53/TP53-induced cancer cell senescence (PubMed:21099361). Phosphorylates EML4 at 'Ser-144', promoting its dissociation from microtubules during mitosis which is required for efficient chromosome congression (PubMed:31409757).

Research Area

Image Data



Western blot detection of NEK6 in Hela,A549,HL-60,U251,U87-MG cell lysates using NEK6 antibody(1:1000 diluted).

Note

For research use only.