

产品名称: NEK6 (6Q4) Rabbit Monoclonal Antibody  
产品货号: AMRe14555



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | NEK6 (6Q4) Rabbit Monoclonal Antibody  |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IP                                  |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                        |

## 产品性能 (Performance)

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                |
| 修饰 (Modification)   | Unmodified                                                                                                                  |
| 同种型 (Isotype)       | IgG                                                                                                                         |
| 克隆 (Clonality)      | Monoclonal                                                                                                                  |
| 形式 (Form)           | Liquid                                                                                                                      |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                    |
| 储存溶液 (Buffer)       | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein. |
| 纯化方式 (Purification) | Affinity purification                                                                                                       |

## 免疫原信息 (Immunogen)

|                        |                                                |
|------------------------|------------------------------------------------|
| 基因名 (Gene Name)        | NEK6                                           |
| 别名 (Alternative Names) | NEK6; NimA related protein kinase 6; SID61512; |
| 基因 ID (Gene ID)        | 10783.0                                        |
| 蛋白 ID (SwissProt ID)   | Q9HC98.A synthetic peptide of human NEK6       |

## 产品应用 (Application)

|                          |                              |
|--------------------------|------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IP 1:20-1:50 |
| 蛋白分子量 (Molecular Weight) | 36kDa                        |

## 研究背景 (Background)

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

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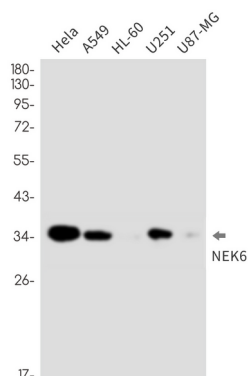


mitotic progression. Inhibition of activity results in apoptosis. Phosphorylates KIF11 to promote mitotic spindle formation. Protein kinase which plays an important role in mitotic cell cycle progression (PubMed:<a href="http://www.uniprot.org/citations/14563848" target="\_blank">14563848</a>). Required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

## 研究领域 (Research Area)

Cell Biology

## 图片 (Image Data)



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

## 注意事项 (Note)

For research use only .