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**Product Name: NEK9 Rabbit Monoclonal Antibody****Catalog #: AMRe85847**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.51mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 107 kDa; Observed MW: 107 kDa

**Antigen Information**

<b>Gene Name</b>	NEK9
<b>Alternative Names</b>	NC; APUG; NERCC; LCCS10; NERCC1
<b>Gene ID</b>	91754.0
<b>SwissProt ID</b>	Q8TD19
<b>Immunogen</b>	A synthetic peptide of human NEK9

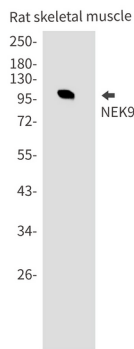
**Background**

Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues. Important for G1/S transition and S phase progression. Phosphorylates

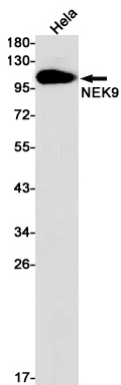
NEK6 and NEK7 and stimulates their activity by releasing the autoinhibitory functions of Tyr-108 and Tyr-97 respectively.

## Research Area

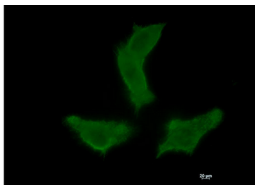
## Image Data



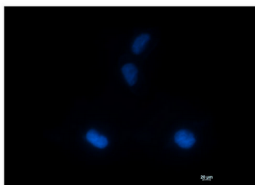
Western blot analysis of NEK9 in rat skeletal muscle lysates using NEK9 antibody.

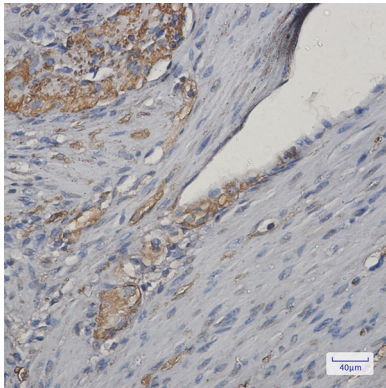


Western blot analysis of NEK9 in HeLa lysates using NEK9 antibody



Immunocytochemistry analysis of NEK9 (green) in HT-1080 using NEK9 antibody, and DAPI (blue).





Immunohistochemistry analysis of paraffin-embedded Human colon cancer using NEK9 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.