

Product datasheet for **TA384852S**

NEK9 Rabbit Monoclonal Antibody [Clone ID: R03-1F1]

Product data:

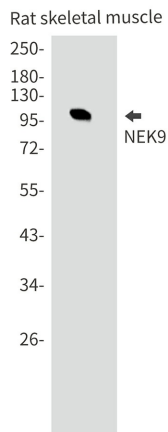
Product Type:	Primary Antibodies
Clone Name:	R03-1F1
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/2000 IHC: 1/20 ICC/IF: 1/50
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human NEK9
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 107 kDa; Observed MW: 107 kDa
Gene Name:	NIMA related kinase 9
Database Link:	Entrez Gene 91754 Human Q8TD19
Background:	Swiss-Prot Acc.Q8TD19.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.



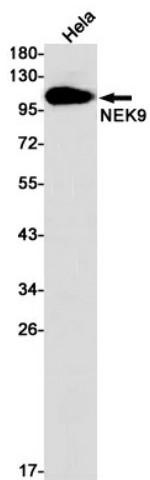
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Synonyms: DKFZp434D0935; KIAA1995; MGC16714; MGC138306; Nek8; NERCC; NERCC1

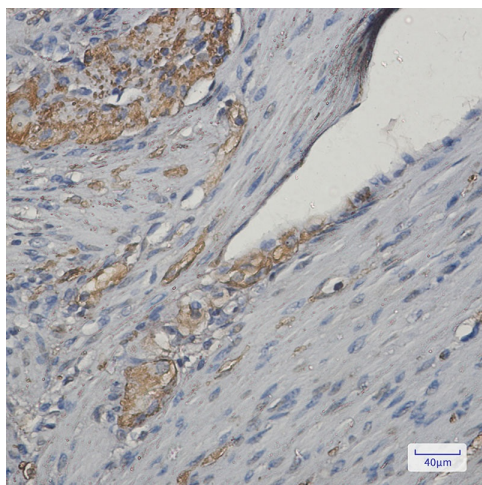
Product images:



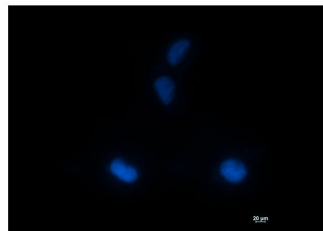
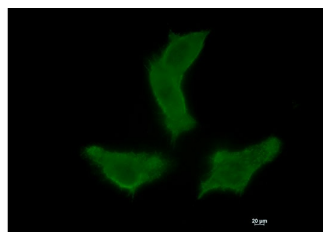
Western blot analysis of NEK9 in rat skeletal muscle lysates using NEK9 antibody.



Western blot analysis of NEK9 in HeLa lysates using NEK9 antibody



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.



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