

NEK7 Conjugated Antibody

Catalog No: #C43407



Package Size: #C43407-AF350 100ul #C43407-AF405 100ul #C43407-AF488 100ul
 #C43407-AF555 100ul #C43407-AF594 100ul #C43407-AF647 100ul
 #C43407-AF680 100ul #C43407-AF750 100ul #C43407-Biotin 100ul

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Description

Product Name	NEK7 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rat
Specificity	The antibody detects endogenous levels of total NEK7 protein.
Immunogen Description	Synthetic peptide of human NEK7
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NEK7; Never in mitosis A-related kinase 7; NIMA (never in mitosis gene a)-related kinase 7; NimA-related protein kinase 7
Accession No.	Swiss-Prot#:Q8TDX7NCBI Gene ID:140609NCBI mRNA#:NP_598001NCBI Protein#:
Uniprot	Q8TDX7
GeneID	140609;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	35KD
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

NIMA-related kinases share high amino acid sequence identity with the gene product of the *Aspergillus nidulans* 'never in mitosis A' gene, which controls initiation of mitosis. Protein kinase which plays an important role in mitotic cell cycle progression. Required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. Phosphorylates RPS6KB1.

Note: This product is for in vitro research use only