



Nek7 Monoclonal Antibody

Catalog No	YP-mAb-14877
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NEK7
Immunogen	The antiserum was produced against synthesized peptide derived from human NEK7. AA range:101-150
Specificity	Nek7 Monoclonal Antibody detects endogenous levels of Nek7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NimA related protein kinase 7;Nek7;Serine/threonine-protein kinase Nek7;Never in mitosis A-related kinase 7;NimA-related protein kinase 7
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Nucleus . Cytoplasm . Cytoplasm, cytoskeleton, spindle pole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Present at centrosome throughout the cell cycle (PubMed:17586473). Also detected at spindle midzone of the anaphase cells and eventually concentrates at the midbody (PubMed:17586473). Interaction with ANKS3 prevents its translocation to the nucleus (By similarity). .
Tissue Specificity	Highly expressed in lung, muscle, testis, brain, heart, liver, leukocyte and spleen. Lower expression in ovary, prostate and kidney. No expression seen in small intestine.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,similarity:Belongs to the protein kinase superfamily., similarity:Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highly expressed in lung, muscle, testis, brain, heart, liver, leukocyte



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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.[supplied by OMIM, Jul 2002],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

