



NEK3 Polyclonal Antibody

Catalog No	YP-Ab-06737
Isotype	IgG
Reactivity	Mouse
Applications	WB;ELISA
Gene Name	NEK3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	NEK3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NimA-related protein kinase 3;NimA related protein kinase 3;Never in mitosis A-related kinase 3;HSPK36;HSPK 36;NEK3;Serine/threonine-protein kinase Nek3 (EC 2.7.11.1) (HSPK 36) (Never in mitosis A-related kinase 3) (NimA-related protein kinase 3)
Observed Band	52-60 kDa
Calculated Molecular Weight	506 aa, 58 kDa
Cell Pathway	Cytoplasm . Cell projection, axon .
Tissue Specificity	Up-regulated in malignant versus normal breast tissue. Isoform 2 shows a high level of expression in testis, ovary and brain.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,function:Kinase that may play a role in mitotic regulation., 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.,
Background	This gene encodes a member of the NimA (never in mitosis A) family of serine/threonine protein kinases. The encoded protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the

cytoplasm. The kinase is activated by prolactin stimulation, leading to phosphorylation of VAV2 guanine nucleotide exchange factor, paxillin, and activation of the RAC1 GTPase. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009],

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