

Rabbit anti-Human NEK1 Polyclonal Antibody | anti-NEK1 antibody

NEK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234668	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

NEK1; Polyclonal Antibody; NEK1 Antibody; Serine/threonine-protein kinase Nek1; Never in mitosis A-related kinase 1; NimA-related protein kinase 1; Renal carcinoma antigen NY-REN-55; KIAA1901; anti-NEK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1286
Applicable Applications for anti-NEK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Serine/threonine-protein kinase Nek1 protein (626-809AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of HeLa cells with AAA234668 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234668 diluted at 1:300 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234668 diluted at 1:300 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-NEK1 antibody	Phosphorylates serines and threonines, but also appears to possess tyrosine kinase activity. Implicated in the control of meiosis (By similarity). Involved in cilium assembly. In response to injury that includes DNA damage, NEK1 phosphorylates VDAC1 to limit mitochondrial cell death.
Product Categories/Family for anti-NEK1 antibody	Epigenetics and Nuclear Signaling; Cell biology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	313661426
NCBI GeneID	4750
NCBI Accession #	NP_001186326.1
NCBI GenBank Nucleotide #	NM_001199397.1
UniProt Accession #	Q96PY6; Q05DG5; Q14CB7; Q5H9T1; Q6PIB8; Q96SS2; Q9H6P7; Q9Y594; G5E9Z3
Molecular Weight	141,053 Da
NCBI Official Full Name	serine/threonine-protein kinase Nek1 isoform 1
NCBI Official Synonym Full Names	NIMA related kinase 1
NCBI Official Symbol	NEK1
NCBI Official Synonym Symbols	SRPS2; SRTD6; SRPS2A; NY-REN-55
NCBI Protein Information	serine/threonine-protein kinase Nek1
UniProt Protein Name	Serine/threonine-protein kinase Nek1
UniProt Gene Name	NEK1
UniProt Synonym Gene Names	KIAA1901; NimA-related protein kinase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.