

Rabbit NUAK1 Polyclonal Antibody | anti-NUAK1 antibody

NUAK1 Polyclonal Antibody

CATALOG # AAA169520	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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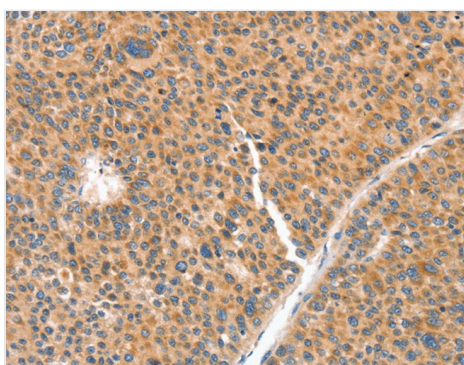
PRODUCT SYNONYMS

NUAK1; Polyclonal Antibody; NUAK1 Polyclonal Antibody; ARK5; anti-NUAK1 antibody

PRODUCT SPECIFICATIONS

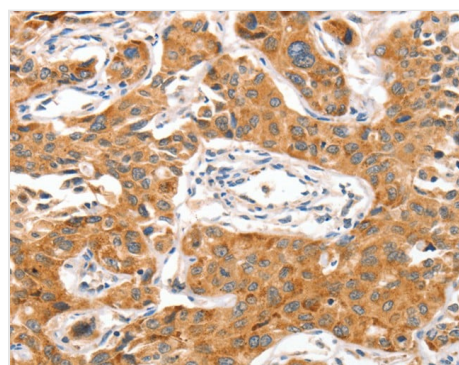
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	2.6mg/mL (varies by lot)
Sequence Length	661
Applicable Applications for anti-NUAK1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human NUAK1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using NUAK1 Polyclonal Antibody at dilution 1:70



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using NUAK1 Polyclonal Antibody at dilution 1:70

ADDITIONAL INFORMATION

Related Product Information for anti-NUAK1 antibody	NUAK family SNF1-like kinase 1 also known as AMPK-related protein kinase 5 (ARK5) is an enzyme that in humans is encoded by the NUAK1 gene. Serine/threonine-protein kinase involved in various processes such as cell adhesion, regulation of cell ploidy and senescence, cell proliferation and tumor progression. Phosphorylates ATM, CASP6, LATS1, PPP1R12A and p53/TP53. Acts as a regulator of cellular senescence and cellular ploidy by mediating phosphorylation of 'Ser-464' of LATS1, thereby controlling its stability. Controls cell adhesion by regulating activity of the myosin protein phosphatase 1 (PP1) complex. Acts by mediating phosphorylation of PPP1R12A subunit of myosin PP1: phosphorylated PPP1R12A then interacts with 14-3-3, leading to reduced dephosphorylation of myosin MLC2 by myosin PP1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7662170
NCBI GeneID	9891
NCBI Accession #	NP_055655.1
NCBI GenBank Nucleotide #	NM_014840.2
Molecular Weight	23,824 Da
NCBI Official Full Name	NUAK family SNF1-like kinase 1
NCBI Official Synonym Full Names	NUAK family, SNF1-like kinase, 1
NCBI Official Symbol	NUAK1
NCBI Official Synonym Symbols	ARK5
NCBI Protein Information	NUAK family SNF1-like kinase 1; AMP-activated protein kinase family member 5; AMPK-related protein kinase 5; omphalocele kinase 1
UniProt Protein Name	NUAK family SNF1-like kinase 1
UniProt Gene Name	NUAK1
UniProt Synonym Gene Names	ARK5; KIAA0537; OMPHK1; ARK5
UniProt Entry Name	NUAK1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nuak1-antibody-immunohistochemistry-elisa/169520>