

ARK5 / NUAK1 Antibody (internal region)

Peptide-affinity purified goat antibody Catalog # AF2736a

Specification

ARK5 / NUAK1 Antibody (internal region) - Product Information

Application WB
Primary Accession 060285

Other Accession NP 055655.1, 9891, 299694 (rat)

Reactivity
Predicted
Rat
Host
Clonality
Concentration
Isotype
Human
Rat
Goat
Coot
O.5 mg/ml
IgG

Calculated MW 74305

ARK5 / NUAK1 Antibody (internal region) - Additional Information

Gene ID 9891

Other Names

NUAK family SNF1-like kinase 1, 2.7.11.1, AMPK-related protein kinase 5, ARK5, Omphalocele kinase 1, NUAK1, ARK5, KIAA0537, OMPHK1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ARK5 / NUAK1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ARK5 / NUAK1 Antibody (internal region) - Protein Information

Name NUAK1

Synonyms ARK5, KIAA0537, OMPHK1

Function

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



Cellular Location Nucleus. Cytoplasm

Tissue Location

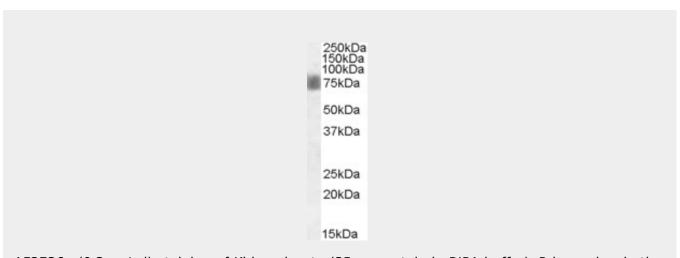
Expressed at high levels in heart and brain, and at lower levels in skeletal muscle, kidney, ovary, placenta, lung and liver. Highly up-regulated in colorectal cancer cell lines

ARK5 / NUAK1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARK5 / NUAK1 Antibody (internal region) - Images



AF2736a (0.3 μ g/ml) staining of Kidney lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ARK5 / NUAK1 Antibody (internal region) - References

Strong association of ARK5 with tumor invasion and metastasis. Kusakai G, Suzuki A, Ogura T, Kaminishi M, Esumi H. J Exp Clin Cancer Res. 2004 Jun;23(2):263-8. PMID: 15354411