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NUAK1 Polyclonal Antibody

Cat #: G-AB-01552

Host: Rabbit **Reactivity:** Human, Mouse

Isotype: IgG **Clonality:** Polyclonal

Overview:
NUAK family SNF1-like kinase 1also known asAMPK-related protein kinase 5(ARK5) is anenzymethat in humans is encoded by theNUAK1gene. 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.

Gene ID:

Accession #: NP_055655

Immunogen: Synthetic peptide of human NUAK1

Conjugation: Unconjugated

Swissprot: O60285

Calculated Molecular Weight:

Observed Molecular Weight:

Concentration: 0.6 mg/mL

Buffer: PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Purification Method: Affinity purification

Application: IHC,ELISA

Dilution: IHC 1:25-1:100

Storage: Store at -20°C. Avoid freeze / thaw cycles.