

Rabbit NUAK2 Polyclonal Antibody | anti-NUAK2 antibody

NUAK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326005	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NUAK2; Polyclonal Antibody; NUAK2 Antibody; DKFZp434J037; DKFZp686F01113; FLJ90349; NUAK family SNF1 like kinase 2; NUAK family SNF1-like kinase 2; Nuak2; NUAK2_HUMAN; Omphalocle kinase 2; SNARK; SNF1/AMP activated protein kinase; SNF1/AMP kinase related kinase; SNF1/AMP kinase-related kinase; anti-NUAK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NUAK2 antibody detects endogenous levels of total NUAK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	672
Applicable Applications for anti-NUAK2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NUAK2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of NIH-3T3 cell lysate, using NUAK2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326005 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NUAK2 antibody	Description: SNARK was identified as an SNF1/AMPK-related kinase and member of the AMPK catalytic subunit family (1, 2). This enzyme was separately identified as a TNFalpha-induced SNF1-like kinase 2 (NUAK2) (3). The kinase activity of SNARK/NUAK2 is increased by AMP and AICAR (1). SNARK/NUAK2 activity is regulated by a variety of cellular stresses such as endoplasmic reticulum (ER) stress and oxidative stresses (4), suggesting that SNARK/NUAK2 is a signaling molecule involved in the cell stress response (4). Function: Stress-activated kinase involved in tolerance to glucose starvation. Induces cell-cell detachment by increasing F-actin conversion to G-actin. Expression is induced by CD95 or TNF-alpha, via NF-kappa-B. Protects cells from CD95-mediated apoptosis and is required for the increased motility and invasiveness of CD95-activated tumor cells. Able to phosphorylate 'Ser-464' of LATS1. Post-translational Modifications: Phosphorylated at Thr-208 by STK11/LKB1 in complex with STE20-related adapter-alpha (STRADA) pseudo kinase and CAB39. Autophosphorylated in vitro. Similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	733214996
NCBI GeneID	81788
NCBI Accession #	NP_112214.2
NCBI GenBank Nucleotide #	NM_030952.2
UniProt Accession #	Q9H093
Molecular Weight	Observed: 70 kDa Predicted: 70 kDa
NCBI Official Full Name	NUAK family SNF1-like kinase 2
NCBI Official Synonym Full Names	NUAK family kinase 2
NCBI Official Symbol	NUAK2
NCBI Official Synonym Symbols	SNARK
NCBI Protein Information	NUAK family SNF1-like kinase 2
UniProt Protein Name	NUAK family SNF1-like kinase 2
UniProt Gene Name	NUAK2
UniProt Synonym Gene Names	SNARK

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/nuak2-antibody-immunohistochemistry-western-blot-elisa/326005>