

NUAK2 Rabbit pAb

Catalog # AP97195

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H093
Other Accession	Q9H093
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69612
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUAK2
Epitope Specificity	31-130/628
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	81788
Other Names	ANPH2; SNARK; 1200013B22Rik; Omphk2; mKIAA0537; NUAK2_HUMAN; NUAK2; Omphalocyte kinase 2; SNF1/AMP kinase-related kinase (SNARK); 2.7.11.1; NUAK2_MOUSE; NUAK family kinase 2; NUAK family, SNF1-like kinase, 2; SNF1/AMP activated protein kinase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NUAK2 {ECO:0000312 EMBL:AAH17306.1}
Synonyms	OMPHK2, SNARK
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, via NF- kappa-B. Protects cells from CD95-mediated apoptosis and is required for the increased motility and invasiveness of CD95-activated tumor cells. Phosphorylates LATS1 and LATS2. Plays a key role in neural tube closure during embryonic development through LATS2 phosphorylation and regulation of the nuclear localization of YAP1 a critical downstream regulatory target in the Hippo signaling pathway (PubMed: 32845958).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.