

NUAK2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7158a

Product Information

Application	WB, E
Primary Accession	Q9H093
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB8576
Calculated MW	69612
Antigen Region	67-96

Additional Information

Gene ID	81788
Other Names	NUAK family SNF1-like kinase 2, Omphalocyte kinase 2, SNF1/AMP kinase-related kinase, SNARK, NUAK2 {ECO:0000312 EMBL:AAH173061}, OMPHK2, SNARK
Target/Specificity	This NUAK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-96 amino acids from the N-terminal region of human NUAK2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NUAK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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](#)).

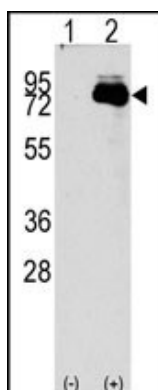
Background

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.

References

Lefebvre, D.L., et al., Biochem. J. 355 (Pt 2), 297-305 (2001) (): ().

Images



Western blot analysis of NUA2 (arrow) using rabbit polyclonal NUA2 Antibody (N-term) (RB08560). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUA2 gene (Lane 2) (Origene Technologies).

Citations

- [Identification of a novel substrate for TNFalpha-induced kinase NUA2.](#)

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