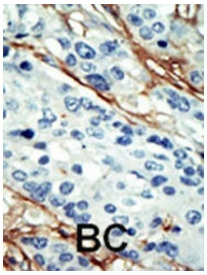
NUAK1 Antibody / ARK5 (F55090)

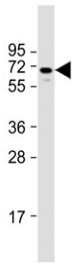
Catalog No.	Formulation	Size
F55090-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55090-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	O60285
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This NUAK1 antibody is available for research use only.



IHC staining of FFPE human breast cancer tissue with NUAK1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HepG2 cell lysate with NUAK1 antibody. Predicted molecular weight ~74 kDa.

Description

NUAK1, also known as AMPK-related protein kinase 5 (ARK5), is a key player in regulating energy metabolism and cell survival. It has been linked to various cellular processes, including cell proliferation, autophagy, and the response to stress. Studies have shown that NUAK1 may be involved in the development of certain cancers, making it a promising target for anti-cancer therapies. Additionally, NUAK1 has been linked to conditions such as diabetes and neurodegenerative diseases, suggesting that it could have implications for a wide range of health conditions.

Application Notes

The stated application concentrations are suggested starting points. Titration of the NUAK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 604-634 from the human protein was used as the immunogen for the NUAK1 antibody.

Storage

Aliquot the NUAK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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