

For Research Use Only

# NUAK2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84849-4-PBS



## Basic Information

Catalog Number:

84849-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35302

GenBank Accession Number:

NM\_030952

GeneID (NCBI):

81788

UNIPROT ID:

Q9H093

Full Name:

NUAK family, SNF1-like kinase, 2

Calculated MW:

70kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

242220C1

## Applications

Tested Applications:

WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

## Background Information

NUAK2, also known as OMPK2 and SNARK, is the fourth member of the AMPK kinase family. The molecular mass of NUAK2 is 69 kDa and it plays a key role in neural tube closure during embryonic development (PMID: 32845958).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

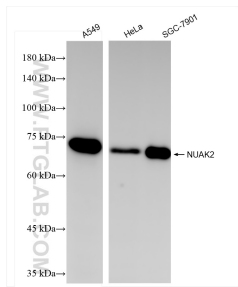
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

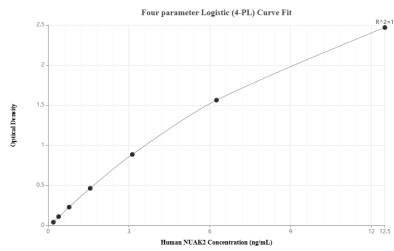
W: [ptgcn.com](http://ptgcn.com)

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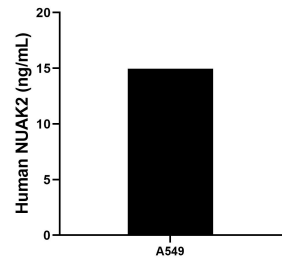
## Selected Validation Data



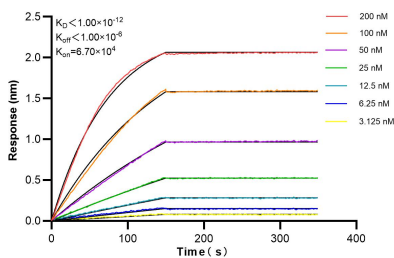
Various lysates were subjected to SDS PAGE followed by western blot with 84849-4-RR (NUAK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84849-4-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01626-3, Human NUA2 Recombinant Matched Antibody Pair - PBS only. 84849-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag35302. 84849-4-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL



The mean NUA2 concentration was determined to be 14.95 ng/mL in A549 cell extract based on a 2.3 mg/mL extract load.



Bi-layer interferometry (BLI) kinetic assays of 84849-4-RR against Human NUA2 were performed. The affinity constant is below 1 pM.