

For Research Use Only

NAGK Recombinant antibody

Catalog Number: 86506-1-RR



Basic Information

Catalog Number:

86506-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7034

GenBank Accession Number:

BC001029

GeneID (NCBI):

55577

UNIPROT ID:

Q9UJ70

Full Name:

N-acetylglucosamine kinase

Calculated MW:

37 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

251285C6

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A2780 cells, A549 cells, MCF-7 cells, HEK-293T cells

Background Information

NAGK, also called N-acetylglucosamine kinase, or GlcNAc kinase, converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. NAGK can suppress the formation of α -syn A53T aggregates in neuronal and non-neuronal cells and suggest aggregation suppression is a general function of NAGK (PMID: 32796833). NAGK is broadly expressed in immune cells and has previously been described to contribute to the hexosamine biosynthetic salvage pathway (PMID: 36002575).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

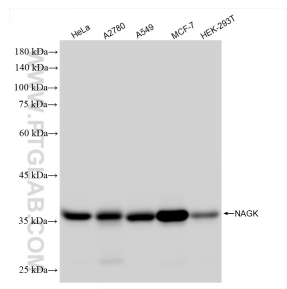
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86506-1-RR (NAGK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.