

For Research Use Only

NAGK Recombinant antibody

Catalog Number: 86506-1-RR



Basic Information

Catalog Number: 86506-1-RR	GenBank Accession Number: BC001029	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55577	CloneNo.: 251285C6
Source: Rabbit	UNIPROT ID: Q9UJ70	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: N-acetylglucosamine kinase	
Immunogen Catalog Number: AG7034	Calculated MW: 37 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, A2780 cells, A549 cells, MCF-7 cells, HEK-293T cells
Species Specificity: human	

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

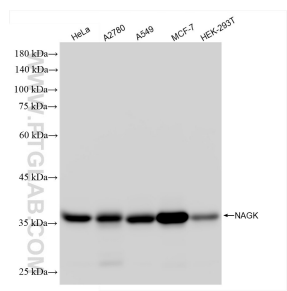
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.