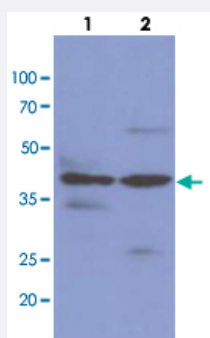


# NAGK monoclonal antibody, clone AT4D12

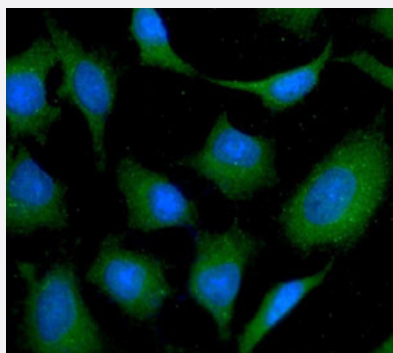
Catalog # MAB11198      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of cell lysates (each 40 ug) by NAGK monoclonal antibody, clone AT4D12 (Cat # MAB11198) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: 293T cell lysate. Lane 2: HeLa cell lysate.



### Immunofluorescence

Immunofluorescence analysis of NAGK in HeLa cells. The cell was stained with NAGK monoclonal antibody, clone AT4D12 (Cat # MAB11198) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant NAGK.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 1-344 of human NAGK.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

Concentration	1 mg/mL
Isotype	IgG1, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of cell lysates (each 40 ug) by NAGK monoclonal antibody, clone AT4D12 (Cat # MAB11198) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: 293T cell lysate. Lane 2: HeLa cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of NAGK in HeLa cells. The cell was stained with NAGK monoclonal antibody, clone AT4D12 (Cat # MAB11198) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — NAGK

Entrez GeneID	<a href="#">55577</a>
Protein Accession#	<a href="#">NP_060037.2; Q9UJ70</a>
Gene Name	NAGK
Gene Alias	GNK, HSA242910
Gene Description	N-acetylglucosamine kinase

**Omim ID** [606828](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** N-acetylglucosamine kinase (NAGK; EC 2.7.1.59) converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. NAGK belongs to the group of N-acetylhexosamine kinases and is a prominent salvage enzyme of amino sugar metabolism in mammals.[supplied by OMIM]

**Other Designations** N-Acetylglucosamine kinase

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)