abcam

Product datasheet

Anti-NAGK antibody [AT4D12] ab156651

3 Images

Overview

Product name	Anti-NAGK antibody [AT4D12]
Description	Mouse monoclonal [AT4D12] to NAGK
Host species	Mouse
Tested applications	**Suitable for:** ICC/IF, Flow Cyt, WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length Human N acetylglucosamine kinase (amino acids 1-344) purified from E. coli (NP_060037.2).
Positive control	293T and HeLa cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	AT4D12
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab156651 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

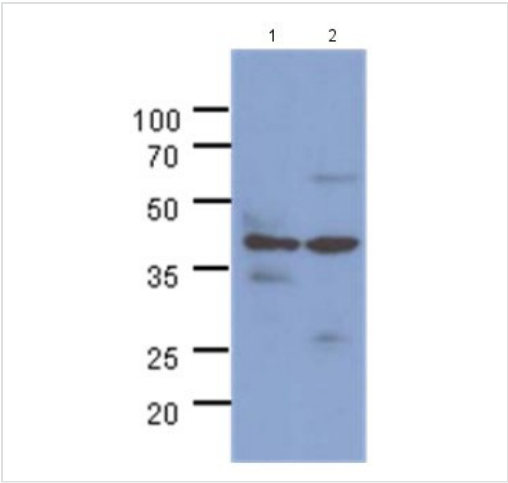
Application	Abreviews	Notes
ICC/IF		1/100.

Application	Abreviews	Notes
Flow Cyt		Use 2-5µg for 10^6 cells.
WB		1/1000. Predicted molecular weight: 37 kDa.

Target

Function	Converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. Also has ManNAc kinase activity.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the eukaryotic-type N-acetylglucosamine kinase family.

Images



Western blot - Anti-N acetylglucosamine kinase antibody [AT4D12] (ab156651)

All lanes : Anti-NAGK antibody [AT4D12] (ab156651) at 1/1000 dilution

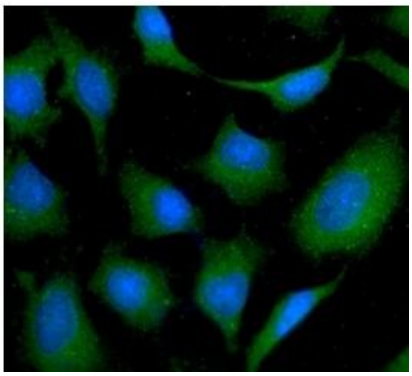
Lane 1 : 293T cell lysate
Lane 2 : HeLa cell lysate

Lysates/proteins at 40 µg per lane.

Secondary
All lanes : Goat anti-mouse HRP-conjugated secondary antibody

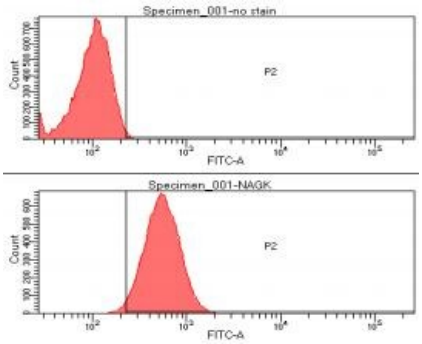
Developed using the ECL technique.

Predicted band size: 37 kDa



Immunocytochemistry/ Immunofluorescence - Anti-N acetylglucosamine kinase antibody [AT4D12] (ab156651)

Immunocytochemistry/immunofluorescence staining of HeLa cells labelling NAGK (N acetylglucosamine kinase) with ab156651 at dilution of 1/100 followed by Alexa Fluor® 488; goat anti-mouse IgG (green). The nucleus was stained with DAPI (blue).



Flow Cytometry - Anti-N acetylglucosamine kinase antibody [AT4D12] (ab156651)

Flow cytometry analysis of HeLa cells labelling NAGK (N acetylglucosamine kinase) with ab156651 at 2-5ug for 1x106cells, followed by Alexa Fluor® 488; goat anti-mouse IgG.

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