

Datasheet for ABIN391112
anti-NAGK antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	NAGK
Binding Specificity:	AA 300-330, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAGK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This NAGK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-330 amino acids from the C-terminal region of human NAGK.
Clone:	RB5452
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	NAGK
Alternative Name:	NAGK (NAGK Products)

Target Details

Background: N-acetylglucosamine kinase (NAGK) 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. The predicted 344-amino acid NAGK protein contains the 5 sequence motifs necessary for the binding of ATP by sugar kinases. NAGK shares 91.6 % amino acid similarity with mouse Nagk, for which enzyme activity is detectable in all mouse tissues examined, with highest enzymatic activity in testis. It is hypothesized that NAGK has a general role in the catabolic pathways of GlcNAc as well as of ManNAc.

Molecular Weight: 37376

Gene ID: 55577

NCBI Accession: [NP_060037](#)

UniProt: [Q9UJ70](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

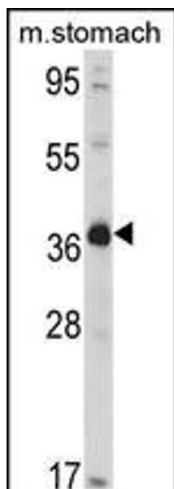
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

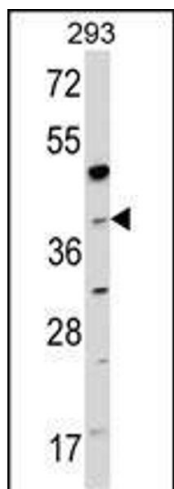
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of hNAGK- (R) in mouse stomach tissue lysates (35 µg/lane).NAGK (arrow) was detected using the purified Pab.



Western Blotting

Image 2. Western blot analysis of hNAGK- (R) in 293 cell line lysates (35 µg/lane).NAGK (arrow) was detected using the purified Pab.