

Rabbit anti-Human, mouse NAGK Polyclonal Antibody | anti-NAGK antibody

NAGK Antibody (C-term)

CATALOG # AAA283944	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	-----------------------------------	--

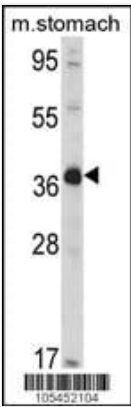
PRODUCT SYNONYMS

NAGK; Polyclonal Antibody; NAGK Antibody (C-term); N-acetyl-D-glucosamine kinase; N-acetylglucosamine kinase; GlcNAc kinase; anti-NAGK antibody

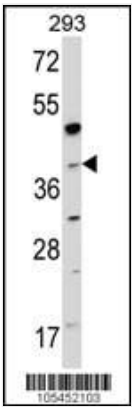
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	300-330
Sequence Length	390
Applicable Applications for anti-NAGK antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of hNAGK-G315 (RB05452) in mouse stomach tissue lysates (35ug/lane).NAGK (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of hNAGK-G315 (RB05452) in 293 cell line lysates (35ug/lane).NAGK (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NAGK antibody	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.
Product Categories/Family for anti-NAGK antibody	Cell Biology; Metabolism; Signal transduction
References	Hinderlich, S., et al., Eur. J. Biochem. 267(11):3301-3308 (2000). Lowes, W., et al., Biochim. Biophys. Acta 1379(1):134-142 (1998). Weidanz, J.A., et al., Br. J. Haematol. 95(4):645-653 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	295844834
NCBI GeneID	55577
NCBI Accession #	NP_060037.3
NCBI GenBank Nucleotide #	NM_017567.4
UniProt Accession #	Q9UJ70; Q53HD5; Q6IA84; Q9BS29; Q9BVP0; Q9NV37; B4DLZ5
Molecular Weight	37376
NCBI Official Full Name	N-acetyl-D-glucosamine kinase
NCBI Official Synonym Full Names	N-acetylglucosamine kinase
NCBI Official Symbol	NAGK
NCBI Official Synonym Symbols	GNK; HSA242910
NCBI Protein Information	N-acetyl-D-glucosamine kinase
UniProt Protein Name	N-acetyl-D-glucosamine kinase
UniProt Gene Name	NAGK
UniProt Synonym Gene Names	N-acetylglucosamine kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/nagk-antibody-western-blot-elisa/283944>