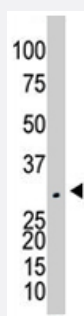


NAGK polyclonal antibody

Catalog # PAB4634

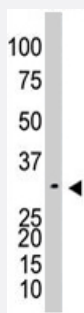
Size 400 uL

Applications



Western Blot (Tissue lysate)

The NAGK polyclonal antibody (Cat # PAB4634) is used in Western blot to detect NAGK in mouse thymus tissue lysate .



Western Blot (Cell lysate)

The NAGK polyclonal antibody (Cat # PAB4634) is used in Western blot to detect NAGK in Y-79 cell lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NAGK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human NAGK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°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 (Tissue lysate)

The NAGK polyclonal antibody (Cat # PAB4634) is used in Western blot to detect NAGK in mouse thymus tissue lysate .

- Western Blot (Cell lysate)

The NAGK polyclonal antibody (Cat # PAB4634) is used in Western blot to detect NAGK in Y-79 cell lysate .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NAGK

Entrez GeneID	55577
Protein Accession#	NP_060037
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

Publication Reference

- [Molecular cloning and characterization of murine and human N-acetylglucosamine kinase.](#)

Hinderlich S, Berger M, Schwarzkopf M, Effertz K, Reutter W.

European Journal of Biochemistry 2000 Jun; 267(11):3301.

Application: WB-Re, Recombinant protein

- [Hexokinase isoenzymes in normal and cirrhotic human liver: suppression of glucokinase in cirrhosis.](#)

Lowes W, Walker M, Alberti KG, Agius L.

Biochimica et Biophysica Acta 1998 Jan; 1379(1):134.

- [N-acetylglucosamine kinase and N-acetylglucosamine 6-phosphate deacetylase in normal human erythrocytes and Plasmodium falciparum.](#)

Weidanz JA, Campbell P, Moore D, DeLucas LJ, Roden L, Thompson JN, Vezza AC.

British Journal of Haematology 1996 Dec; 95(4):645.

Application: WB-Ce, Human, Human erythrocytes

Pathway

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