

Product Name: KD-Validated NAGK Mouse Monoclonal Antibody**Catalog #: KVA01857**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000
Molecular Weight	Calculated MW: 37.4kDa

Antigen Information

Gene Name	NAGK
Alternative Names	NAGK; N-Acetylglucosamine Kinase; GNK; N-Acetyl-D-Glucosamine Kinase; N-Acetyl-D-Mannosamine Kinase; Muramyl Dipeptide Kinase; GlcNAc Kinase; EC 2.7.1.59; Epididymis Secretory Sperm Binding Protein; EC 2.7.1.60; EC 2.7.1.-; HSA242910
Gene ID	55577.0
SwissProt ID	Q9UJ70
Immunogen	Recombinant protein of human NAGK

Background

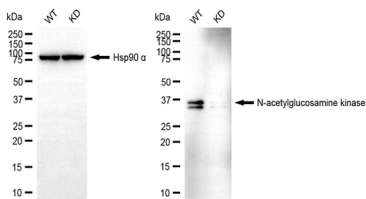
This gene encodes a member of the N-acetylhexosamine kinase family. The encoded protein catalyzes the conversion of N-acetyl-D-glucosamine to N-acetyl-D-glucosamine 6-phosphate, and is the major mammalian enzyme which recovers amino

sugars. [provided by RefSeq, Nov 2011]

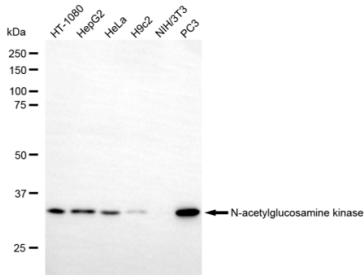
Research Area

Cell Biology,Signal Transduction,Metabolism

Image Data



Western blotting analysis using N-acetylglucosamine kinase antibody (KVA01857). N-acetylglucosamine kinase expression in wild-type (WT) and N-acetylglucosamine kinase (NAGK) knockdown (KD) HT-1080 cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with N-acetylglucosamine kinase antibody (KVA01857, 1:1,000) and HRP-conjugated goat-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using N-acetylglucosamine kinase antibody (KVA01857). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with N-acetylglucosamine kinase antibody (KVA01857, 1:1,000) and HRP-conjugated goat-mouse secondary antibody (APS0631, 1:10,000) respectively.