

## ARG44876 anti-NAGK antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes NAGK
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	NAGK
Species	Human
Epitope	MAAIYGGVEG GGTRSEVLLV SEDGKILAEA DGLSTNHWLI GTDKCVERIN EMVNRKRKA GVDPLVPLRS LGLSLSGGDQ EDAGRILIEE LRDRFPYLSE SYLITDDAAG SIATATPDGG VVLISGTGSN CRLINPDGSE SGCGGWGHMM GDEGSAYWIA HQAVKIVFDS IDNLEAAPHD IGYVKQAMFH YFQVPDRLGI LTHLYRDFDK CRFAGFCRKI AEGAAQQGDPL SRYIFRKAGE MLGRHIVAVL PEIDPVLFQG KIGLPILCVG SVWKSHELLK EGFLALTQG REIQAQNFFS SFTLMKLRHS SALGGASLGA RHIGHLLPMD YSANAIAFYS YTFS
Conjugation	Un-conjugated
Alternate 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

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:250 - 1:500
	IP	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

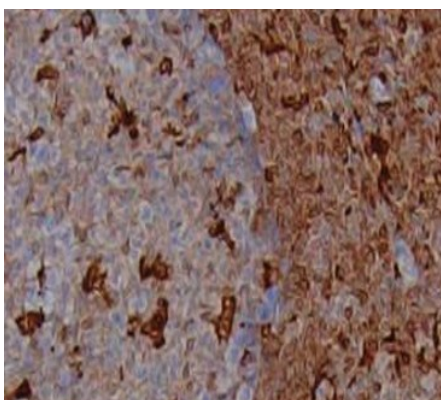
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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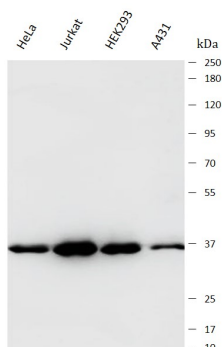
Gene Symbol	NAGK
Gene Full Name	N-Acetylglucosamine Kinase
Background	This gene encodes a member of the N-acetylhexosamine kinase family. The encoded protein catalyzes the conversion of N-acetyl-D-glucosamine to N-acetyl-D-glucosamine 6-phosphate, and is the major mammalian enzyme which recovers amino sugars. [provided by RefSeq, Nov 2011]
Function	Also involved in innate immunity by promoting detection of bacterial peptidoglycan by NOD2: acts by catalyzing phosphorylation of muramyl dipeptide (MDP), a fragment of bacterial peptidoglycan, to generate 6-O-phospho-muramyl dipeptide, which acts as a direct ligand for NOD2. [Uniprot]
PTM	Acetylation, Phosphoprotein. [Uniprot]

## Images



ARG44876 anti-NAGK antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG44876 anti-NAGK antibody at 10 µg/mL dilution.



ARG44876 anti-NAGK antibody WB image

Western blot: HeLa, Jurkat, HEK-293 and A-431 stained with ARG44876 anti-NAGK antibody at 1 µg/mL dilution.

### ARG44876 anti-NAGK antibody IP image

Immunoprecipitation: HeLa lysate immunoprecipitated with 2.5  $\mu\text{g}$  of ARG44876 anti-NAGK antibody.

