Anti-Human NAGK Antibody [K1E005_1H8]

Catalog No. K1E005C01H08C

Overview

Product name: Anti-Human NAGK Antibody [K1E005_1H8]
Antibody specificity: N-acetylglucosamine kinase
Species reactivity: Human
Clonality: Monoclonal
Clone number: K1E005_1H8
Host / isotype: Mouse / IgG1
Immunogen: Recombinant human NAGK
Cross reactivity: Not tested
Kinetic characterization by BLI (biolayer interferometry): Not tested
Purification: Protein A purified from cell culture supernatants
Form: Liquid
Concentration: 1 mg/mL in phosphate buffered saline containing 0.09% preservative
Conjugation: Unconjugated
Shipping, storage and shelf life: Shipped at ambient temperature. Avoid repeated freeze-thaw cycles. Upon receipt,
* 3 months when stored at 2 to 8 °C
* 1 year when aliquoted and stored at -20 °C
* 3 years when aliquoted and stored at -80 °C

Applications

<table>
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<tr>
<th>Application</th>
<th>Recommended concentration</th>
<th>Note</th>
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<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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</tr>
<tr>
<td>Immunoprecipitation (IP)</td>
<td>10 µg/mL</td>
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</tbody>
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Note:
* The applications above have already been verified. The antibody may be suitable for additional applications.
* Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen: Protein name: N-acetylglucosamine kinase
Gene name: NAGK
UniProt Accession: Q9UJ70
Organism: Homo sapiens (Human)

Product data

Immunoprecipitation

Immunoprecipitation was performed by incubation of 2.5 µg K1E005_1H8 with HeLa lysate containing 200 µg total protein. After absorption with Protein G beads, the mixture was run on 6-18% SDS-PAGE and blotted onto nitrocellulose membrane. Anti-human NAGK (K1E005_8C10) at 1 µg/mL was used as the primary antibody and peroxidase conjugated rabbit anti-mouse IgG (Light chain specific) was used as the secondary antibody. The isotype control antibody was KT82.
Lane 1: HeLa lysate
Lane 2: Human NAGK immunoprecipitated from HeLa lysate by K1E005_1H8
Lane 3: The same as Lane 2 but KT82 was used as IgG isotype control antibody
Result: K1E005_1H8 can immunoprecipitate human NAGK.