

Monoclonal Anti-human GCNF/NR6A1 Antibody

ORDERING INFORMATION

Catalog Number: PP-H7921-00

Clone: H7921

GenBank: U64876

Ig Class: mouse IgG_{2A}

Volume: 100 µL

Concentration: 1 mg/mL

Formulation: A liquid formulation in physiologic saline with 0.1% NaN₃

Storage: ≤ -20 °C

Specificity: human GCNF

Application: Western Blot
Immunoprecipitation

Description

Germ Cell Nuclear Factor (GCNF, RTR; NR6A1) is an orphan receptor which has no paralogs observed in the mammal. Expression is observed only in germ cells of the testis, the spermatids and late-stage spermatocytes. GCNF may have a role in regulating the meiotic and post-meiotic stages of germ cells.

Preparation

Produced in BALB/c mouse ascites after inoculation with a hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with recombinant human GCNF (amino acids 28 - 58). The IgG fraction of the ascites was purified by ammonium sulfate fractionation.

Formulation

A liquid formulation in physiologic saline with 0.1% NaN₃.

Storage

This antibody is stable for greater than six months when held at -20 °C in a **manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human GCNF. Not yet tested in other species.

Note: *In Western Blot applications, a 35 kDa non-specific band has been observed.*

Application

Western Blot - This antibody can be used at 1 µg/mL under reducing conditions and at 3 µg/mL under non-reducing conditions with the appropriate secondary reagents to detect human GCNF.

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

Optimal dilutions should be determined by each laboratory for each application.

Caution: Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



Manufactured by:
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