

Monoclonal Anti-human HNF-4 γ /NR2A2 Antibody

ORDERING INFORMATION

Catalog Number: PP-N3224-00

Clone: N3224

GenBank: Z49826

Ig Class: mouse IgG_{2A}

Volume: 100 μ L

Concentration: 1 mg/mL

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

Storage: \leq -20 °C

Specificity: human HNF-4 γ

Applications: Western Blot
Direct ELISA
Immunohistochemistry

Description

Hepatocyte Nuclear Factor 4 gamma (HNF-4 γ ; NR2A2) is a member of the Orphan Nuclear Receptor family. The expression is observed in the pancreas, kidney, small intestine, and testes with no expression detected in the liver. The level is less 10% than that of HNF-4 α .

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 HNF-4 γ (amino acids 96-408). The IgG fraction of the mouse 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 HNF-4 γ and cross-reacts with mouse and rat HNF-4 γ . This antibody does not recognize human HNF-4 α . Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 1 μ g/mL under reducing conditions and at 3 μ g/mL under non-reducing conditions with the appropriate secondary reagents to detect human HNF-4 γ .

Direct ELISA - This antibody can be used at 0.01 μ g/mL with the appropriate secondary reagents to detect human HNF-4 γ .

Immunochemistry - This antibody can be used at 10 μ g/mL with the appropriate secondary reagents to detect human HNF-4 γ .

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.



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