

Monoclonal **Anti-human NGFI-B γ /NOR-1/NR4A3 Antibody**

ORDERING INFORMATION

Catalog Number: PP-H7833-00

Clone: H7833

GenBank: D78579

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: $\leq -20^{\circ}\text{C}$

Specificity: human NGFI-B γ

Applications: Western Blot
Direct ELISA
Immunoprecipitation

Description

Nerve Growth Factor Inducible Factor I-B gamma (NGFI-B γ , NOR-1, TEC, MINOR, CHN; NR4A3) is a member of the Orphan Nuclear Receptor family. NGFI-B γ is expressed in skeletal muscle, and fetal heart. Its expression is induced in response to various stress stimuli and growth factors. NGFI-B γ has roles in signaling in multiple tissues, including the hypothalamic-pituitary axis. Retinoid X Receptor (RXR) has been shown to be a partner for orphan receptors NR4A1 and NR4A2 but not NR4A3.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human NGFI-B γ (amino acids 2-95) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid 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 $2-8^{\circ}\text{C}$ for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human NGFI-B γ and does not cross-react with human NGFI-B α or NGFI-B β . Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 1 $\mu\text{g/mL}$ under reducing conditions with the appropriate secondary reagents to detect human NGFI-B γ .

Direct ELISA - This antibody can be used at 1 $\mu\text{g/mL}$ with the appropriate secondary reagents to detect human NGFI-B γ .

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.



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