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Monoclonal Anti-human RXRβ/NR2B2 Antibody

ORDERING INFORMATION

Catalog Number: PP-H7341-00

Clone: H7341

GenBank: M84820

Ig Class: mouse IgG_{2A}

Volume: 100 µL

Concentration: 1 mg/mL

Formulation: A liquid formulation in physiologic saline with 0.1% NaN_3

Storage: ≤ -20 °C

Specificity: human RXRβ

Applications: Western Blot
Direct ELISA
Immunoprecipitation

Description

Retinoid X Receptor beta (RXRβ; NR2B2) is a member of the Orphan Nuclear Receptor superfamily. 9-cis retinoic acid can bind to RXR. RXRβ expression is widespread in most tissues of the embryo, including the central nervous system. Along with other members of the RXR family, RXRβ plays roles in a variety of processes including embryonic patterning and organogenesis, cell proliferation and cell differentiation. RXRs commonly function as heterodimers with other members of the nuclear receptor superfamily.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human RXRβ (amino acids 9 - 187) 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% NaN_3.

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 RXRβ and cross reacts with rat RXRβ. This antibody does not recognize human RXRα and human RXRγ. Not yet tested in other species.

Applications

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

Direct ELISA - This antibody can be used at 1 µg/mL with the appropriate secondary reagents to detect human RXRβ.

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.

PPMX PERSEUS PROTEOMICS

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