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Monoclonal Anti-human SHP/NR0B2 Antibody

ORDERING INFORMATION

Catalog Number: PP-N7519-00

Clone: N7519

GenBank: L76571

Ig Class: mouse IgG_1

Volume: 100 µL

Concentration: 1 mg/mL

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

Storage: ≤ -20 °C

Specificity: human SHP

Applications: Western Blot
Direct ELISA

Description

Small Heterodimer Partner (SHP; NR0B2) is an orphan receptor expressed in the liver and at lower levels in the heart, adrenal gland, spleen, and pancreas. Since SHP binds to several receptors, including the retinoid receptors RAR, RXR, and thyroid hormone receptor, its function is suggested to be a negative regulator of receptor-dependent signaling pathways.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human SHP (amino acids 1 - 257) and mouse myeloma cells (NS-1). The IgG fraction of ascites fluid was purified using 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 SHP. Not yet tested in other species.

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 SHP.

Direct ELISA - This antibody can be used at 0.5 µg/mL with the appropriate secondary reagents to detect human SHP.

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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