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Monoclonal Anti-human Rev-Erbβ/NR1D2 Antibody

ORDERING INFORMATION

Catalog Number: PP-H2729-00

Clone: H2729

GenBank: L31785

Ig Class: mouse IgG_3

Volume: 100 µL

Concentration: 1 mg/mL

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

Storage: ≤ -20 °C

Specificity: human Rev-Erbβ

Applications: Western Blot
Direct ELISA
Immunohistochemistry
Immunoprecipitation

Description

Reverse Orientation the c-ErbA-1 Gene beta (Rev-Erbβ, BD73; NR1D2) is a member of the Orphan Nuclear Receptor family. Rev-Erbβ is expressed in the heart, brain, lung, liver, skeletal muscles, kidney, spleen and testis. Rev-Erbβ plays a broad role in cell proliferation and physiology.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human Rev-Erbβ (amino acids 4 - 101) 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 Rev-Erbβ and cross-reacts with rat Rev-Erbβ. It does not recognize human Rev-Erbα. Not yet tested in other species.

Applications

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

Direct ELISA - This antibody can be used at 0.3 µg/mL with the appropriate secondary reagents to detect human Rev-Erbβ.

Immunohistochemistry - This antibody can be used at 50 - 100 µg/mL with the appropriate secondary reagents to detect human Rev-Erbβ.

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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