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Monoclonal Anti-human ERRγ/NR3B3 Antibody

ORDERING INFORMATION

Catalog Number: PP-H6812-00

Clone: H6812

GenBank: AF058291

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 ERRγ

Applications: Western Blot
Direct ELISA
Immunohistochemistry
Immunoprecipitation

Description

Estrogen-Related Receptor gamma (ERRγ, ESRRG; NR3B3) is a member of the Orphan Nuclear Receptor family. ERRγ is expressed in the brain, kidney, testis, lung, adrenal gland, pancreas, placenta and bone marrow. ERRγ was shown to be located in the critical region for Usher's syndrome.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human ERRγ (amino acids 2 - 100) 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 ERRγ and cross reacts with mouse and rat ERRγ. This antibody does not cross-react with human ERRα or ERRβ. 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 ERRγ.

Direct ELISA - This antibody can be used at 1.7 µg/mL with the appropriate secondary reagents to detect human ERRγ.

Immunohistochemistry - This antibody can be used at 10 µg/mL with the appropriate secondary reagents to detect human ERRγ.

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
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