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Monoclonal Anti-human EAR2/NR2F6 Antibody

ORDERING INFORMATION

Catalog Number: PP-N2025-00

Clone: N2025

GenBank: X12794

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 EAR2

Applications: Western Blot
Direct ELISA
Immunohistochemistry
Immunoprecipitation

Description

EAR2 (COUP TFγ, ERBAL2; NR2F6) is a member of the Orphan Nuclear Receptor family. No ligand has been reported. Expression is detected in fetal liver, placenta, heart, muscle, and pancreas. No expression was detected in lung and brain tissue. Interaction with the transcription factor CBFA2 reveals a negative regulator of granulocyte differentiation.

Preparation

Produced in BALB/c mouse ascites after inoculation with a hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with recombinant human EAR2 (amino acids 13 - 44). The IgG fraction of the mouse ascites 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 EAR2 and cross-reacts with mouse and rat EAR2. This antibody does not recognize human COUP-TF I and human COUP-TF II. 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 EAR2.

Direct ELISA - This antibody can be used at 0.2 µg/mL with the appropriate secondary reagents to detect human EAR2.

Immunochemistry - This antibody can be used at 10 µg/mL with the appropriate secondary reagents to detect human EAR2.

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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