



Monoclonal Anti-human COUP-TF II/NR2F2 Antibody

ORDERING INFORMATION

Catalog Number: PP-H7147-10

Clone: H7147

GenBank: M64497

Ig Class: mouse IgG_{2A}

Size: 100 µg

Formulation: Lyophilized in phosphate-buffered saline

Reconstitution: Distilled or deionized water

Storage: 2° - 8° C

Specificity: human COUP-TF II

Applications: Western blot
Direct ELISA
Immunoprecipitation
Immunohistochemistry

Description

Chicken Ovalbumin Upstream Promoter Transcription Factor II (COUP-TF II, ARP-1, COUP-TFB; NR2F2) is a member of the orphan nuclear receptor family. COUP-TF II is expressed in the tongue, follicles of vibrissae, cochlea and in the stroma of the nasal septum. COUP-TF II has roles in angiogenesis, vascular remodeling and heart development. COUP-TFs were shown to interact with a number of other nuclear receptors.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human COUP-TF II (amino acids 43 - 64) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

Formulation

Lyophilized in phosphate-buffered saline (PBS) with 5% Trehalose.

Reconstitution

Reconstitute with the desired volume of distilled or deionized water. Reconstitution in 0.1 mL of distilled or deionized water yields an antibody concentration of 1 mg/mL.

Storage

Lyophilized samples are stable for up to twelve months from date of receipt when stored at 2° - 8° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for up to 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for up to six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human COUP-TF II and cross-reacts with rat COUP-TF II. This antibody does not cross-react with human COUP-TF I, or EAR2. Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 1 µg/mL with the appropriate secondary reagents to detect human COUP-TF II.

Direct ELISA - This antibody can be used at 0.1 µg/mL with the appropriate secondary reagents to detect human COUP-TF II.

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

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

Optimal dilutions should be determined by each laboratory for each application.

Reference

1. Lee, C.T. *et al.* (2004) Mol. Cell. Biol. **24**(24):10835.



Manufactured by:

Perseus Proteomics, Inc.
4-7-6, Komaba, Meguro-ku
Tokyo 153-0041 Japan
Tel: +81-3-5738-1705
Fax: +81-3-3481-5760
E-mail: info@ppmx.com
<http://www.ppmx.com>

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

**R&D Systems, Inc.
1-800-343-7475**