

Anti human COUP-TF II mouse monoclonal antibody

COUP-TF II: Chicken ovalbumin upstream promoter-transcription factor II

Code No PP-H7147-00

Clone No. H7147

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Chicken ovalbumin upstream promoter transcription factor II (COUP-TFII, ARP-1, COUP-TFB; NR2F2) is a member of orphan nuclear receptor. COUP-TFII is expressed in tongue, follicles of vibrissae, cochlea and in stroma of nasal septum. COUP-TFII has roles in angiogenesis, vascular remodeling and heart development. COUP-TFs were shown to interact with a number of other nuclear receptors.

Nomenclature NR2F2

Genbank M64497

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human COUP-TF II (43-64 aa).

Specificity This antibody specifically recognizes human COUP-TF II and cross reacts with mouse and rat COUP-TF II. This antibody does not recognize human COUP-TF I and EAR2.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 1 ug/mL

Non reducing Western Blot Not yet tested

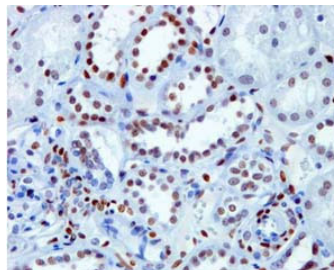
ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

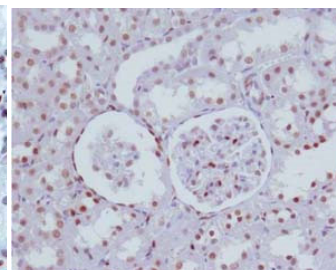
Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 10 ug/mL



Human
Convoluted tubule
paraffin section



Rat
Glomerular
paraffin section

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference Lee CT, *et al.* Mol Cell Biol., 2004; 24(24): 10835-43
You LR, *et al.* Proc Natl Acad Sci USA. 2005; 102(45):16351-6
Suh JM, *et al.* Mol Endocrinol, 2006; 20(12): 3412-20
Qin J, *et al.* Dev Dyn., 2007; 236(3): 810-20
Perilhou A, *et al.* Mol Cell Biol., 2008; 28(14): 4588-97
Li L, *et al.* Cell Metab., 2009; 9(1): 77-87

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

July 1, 2023