

## Anti human COUP-TF II mouse monoclonal antibody

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

<b>Code No</b>	PP-H7147-00 old No. 2ZH7147H
<b>Clone No.</b>	H7147
<b>Lot.</b>	A-2
<b>Concentration</b>	1 mg/mL
<b>Volume</b>	100 uL
<b>Ig Class</b>	G2a
<b>Description</b>	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.
<b>Nomenclature</b>	NR2F2
<b>Genbank</b>	M64497
<b>Origin</b>	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).
<b>Specificity</b>	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.
<b>Purification</b>	Ammonium sulfate fractionation
<b>Formulation</b>	Physiological saline with 0.1% NaN <sub>3</sub> 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

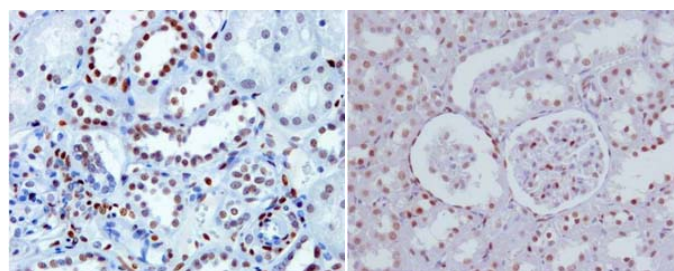
**ELISA** 0.1 ug/mL

**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.

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**SCETI** SCETI K.K.

3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013, Japan  
Tel +81(3) 5510-2347 Fax +81(3) 5510-0133  
URL: <http://www.sceti.co.jp/export/> e-mail: [exp-pet@sceti.co.jp](mailto:exp-pet@sceti.co.jp)

Manufactured by

**PPMX**  
PERSEUS PROTEOMICS

Perseus Proteomics Inc.

4-7-6 Komaba, Meguro-ku, Tokyo 153-0041, Japan  
URL: <http://www.ppmx.com>