

Anti human COUP-TF II mouse monoclonal antibody

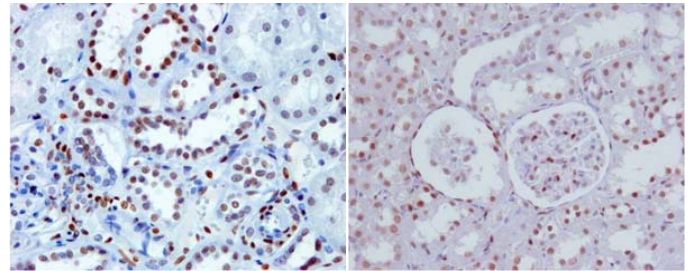
COUP-TF II: Chicken ovalbumin upstream promoter-transcription factor II

Code No	PP-H7147-00 old No. 2ZH7147H
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
 Jae Mi Suh, *et al.* Mol Endocrinol, 2006, 20(12): 3412-20
 Jun Qin, *et al.* Developmental Dynamics, 2007, 236: 810-20
 Perilhou A, *et al.* Mol Cell Biol., 2008, 28(14): 4588-97

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.

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Oct 21, 2008