

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.

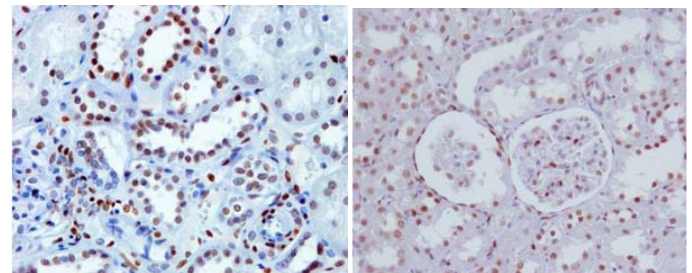
Purification Ammonium sulfate fractionation

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 immunoprecipitatic	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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