

Anti human COUP-TF II mouse monoclonal antibody

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

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code No | PP-H7147-00 |
| Clone No. | H7147 |
| Lot. | *** |
| 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% NaN ₃ 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

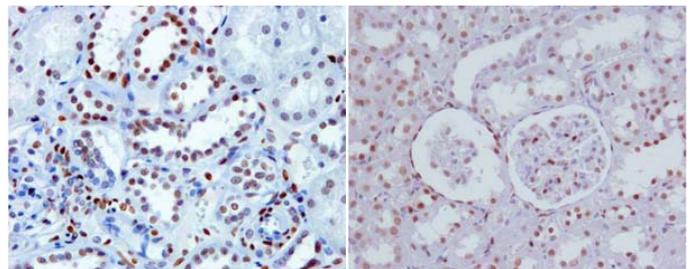
ELISA 0.1 ug/mL

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., 24(24): 10835-43, 2004.
 You LR, *et al.* Proc Natl Acad Sci U S A. 2005 Nov 8;102(45):16351-6.
 Jae Mi Suh, *et al.* Mol Endocrinol, Dec. 2006, 20(12): 3412-3420
 Jun Qin, *et al.* Developmental Dynamics. 2007. 236: 810-820

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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