

Anti human COUP-TF I mouse monoclonal antibody

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

Code No PP-H8132-00

Clone No. H8132

Lot. A-1

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Chicken ovalbumin upstream promoter transcription factor I (COUP-TFI, EAR3, COUP-TFA; NR2F1) is a member of orphan nuclear receptor. COUP-TF I is expressed in specific regions of the rostral brain, in stripes in the presumptive hindbrain. COUP-TFI has varied roles in the development of the peripheral nervous system, such as early regionalization of the neocortex, differentiation of subplate neurons and guidance of thalamocortical axons. COUP-TFs were shown to interact with a number of other nuclear receptors.

Nomenclature NR2F1

Genbank X12795

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 I (6-81 aa).

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

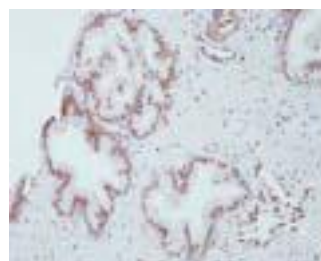
ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 10-50 ug/mL



Human
Prostate gland
paraffin section



Rat
Cerebrum
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 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

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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