

Anti human COUP-TF I mouse monoclonal antibody

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

Code No	PP-H8132-10
Clone No.	H8132
Batch	A1F1
Size	100ug lyophilized antibody
Formulation	Lyophilized from phosphate-buffered saline (PBS) containing 5% Trehalose as a stabilizer.
Ig Class	G2a
Nomenclature	NR2F1
Genbank	X12795

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.

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.

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

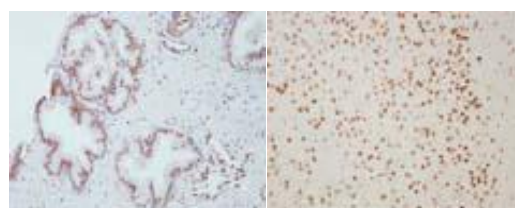
ELISA 0.1 ug/mL

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

Reconstitution Reconstitute with desired volume of distilled water. Reconstitution in 0.1 ml of distilled water yields an antibody concentration of 1mg/ml. Please note reconstituted solution will contain original PBS and 5% Treharose (see Formulation).

Storage Lyophilized samples are stable for twelve months when held at 2 - 8 C. Upon reconstitution, the antibody can be stored 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

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

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MADE IN JAPAN

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