

# COUP-TF1 Rabbit pAb

COUP-TF1 Rabbit pAb  
Catalog # AP57796

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF   |
| <b>Primary Accession</b>       | <a href="#">P10589</a>   |
| <b>Reactivity</b>              | Rat  |
| <b>Predicted</b>               | Human, Mouse, Pig, Sheep   |
| <b>Host</b>                    | Rabbit   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Calculated MW</b>           | 46156  |
| <b>Physical State</b>          | Liquid   |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human COUP-TF1   |
| <b>Epitope Specificity</b>     | 21-120/423   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | affinity purified by Protein A   |
| <b>Buffer</b>                  | Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.  |
| <b>SUBCELLULAR LOCATION</b>    | Nucleus.   |
| <b>SIMILARITY</b>              | Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.   |
| <b>SUBUNIT</b>                 | Binds DNA as dimer; homodimer and probable heterodimer with NR2F6. Interacts with COPS2.   |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.  |
| <b>Background Descriptions</b> | COUP transcription factors have been cloned in several species and identified as orphan members of the steroid/thyroid hormone receptor superfamily. COUP-TFI (also designated COUP or EAR-3) and ARP-1 (also designated COUP-TFII) exhibit highly regulated and overlapping expression in most tissues. COUP-TFs are highly expressed in the developing and central nervous system, suggesting that these factors may be important in neural development and differentiation. COUP-TFs can compete for binding to response elements which are common to other members of this family, including RAR, RXR, PPAR, HNF-4, VDR and TR. They have been shown to act as negative regulators as well as initiators of transcription. |

## Additional Information

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| <b>Gene ID</b>     | 7025  |
| <b>Other Names</b> | COUP transcription factor 1, COUP-TF1, COUP transcription factor I, COUP-TF I, Nuclear receptor subfamily 2 group F member 1, V-erbA-related protein 3, EAR-3, NR2F1, EAR3, ERBAL3, TFCOUP1 |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500  |

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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**Name** NR2F1

**Synonyms** EAR3, ERBAL3, TFCOUP1

**Function** Coup (chicken ovalbumin upstream promoter) transcription factor binds to the ovalbumin promoter and, in conjunction with another protein (S300-II) stimulates initiation of transcription. Binds to both direct repeats and palindromes of the 5'-AGGTCA-3' motif. Represses transcriptional activity of LHCG.

**Cellular Location** Nucleus.

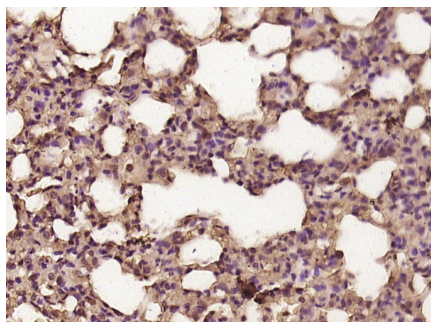
## Background

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COUP transcription factors have been cloned in several species and identified as orphan members of the steroid/thyroid hormone receptor superfamily. COUP-TFI (also designated COUP or EAR-3) and ARP-1 (also designated COUP-TFII) exhibit highly regulated and overlapping expression in most tissues. COUP-TFs are highly expressed in the developing and central nervous system, suggesting that these factors may be important in neural development and differentiation. COUP-TFs can compete for binding to response elements which are common to other members of this family, including RAR, RXR, PPAR, HNF-4, VDR and TR. They have been shown to act as negative regulators as well as initiators of transcription.

## Images

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Paraformaldehyde-fixed, paraffin embedded (rat lung tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (COUP-TF1) Polyclonal Antibody, Unconjugated (AP57796) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.