

### **COUP-TF1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57796

# **Specification**

### **COUP-TF1 Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC

Primary Accession
Reactivity
Rat, Pic

Reactivity
Host
Clonality
Calculated MW
Physical State
Rat, Pig, Bovine
Rabbit
Polyclonal
46 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human COUP-TF1

Epitope Specificity 21-120/423

Isotype IgG
Purity

Buffer Preservative: 0.02% Proclin300,

Constituents: 1% BSA, 0.01M PBS, pH7.4.

SUBCELLULAR LOCATION Nucleus

SIMILARITY

Belongs to the nuclear hormone receptor

family. NR2 subfamily. Contains 1 nuclear

receptor DNA-binding domain.

SUBUNIT Binds DNA as dimer; homodimer and

probable heterodimer with NR2F6.

Interacts with COPS2.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

#### **Background Descriptions**

affinity purified by Protein A

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.

# **COUP-TF1 Polyclonal Antibody - Additional Information**

#### **Gene ID 7025**

#### **Other Names**

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



#### **Dilution**

- <span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class
  ="dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class
  ="dilution\_IF">IF~~1:50~200</span><br \> <span class ="dilution\_ICC">ICC~~N/A</span>
- **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20  $^{\circ}$ 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  $^{\circ}$ C.

# **COUP-TF1 Polyclonal Antibody - Protein Information**

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.

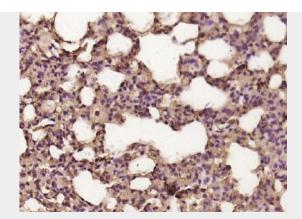
# **COUP-TF1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **COUP-TF1 Polyclonal Antibody - Images**





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 (bs-20421R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.