



Rabbit Anti-COUP-TF1 antibody

SL20421R

Product Name:	COUP-TF1
Chinese Name:	转录因子COUP1抗体
Alias:	Chicken ovalbumin upstream promoter 1; chicken ovalbumin upstream promoter; COT1_HUMAN; COUP transcription factor 1; COUP transcription factor I; COUP-TF I; COUP TF1; EAR-3; EAR3; ERBAL3; NR2F1; Nuclear receptor subfamily 2 group F member 1; SVP44; TCFCOUP1; TFCOUP1; Transcription factor COUP 1; V ERBA related protein EAR 3; V-erbA-related protein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	46kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human COUP-TF1:21-120/423
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Binds DNA as dimer; homodimer and probable heterodimer with NR2F6. Interacts with COPS2.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

P10589

Gene ID:

7025

Database links:

[Entrez Gene: 7025](#)Human

[Entrez Gene: 13865](#)Mouse

[Entrez Gene: 81808](#)Rat

[Omim: 132890](#)Human

[SwissProt: P10589](#)Human

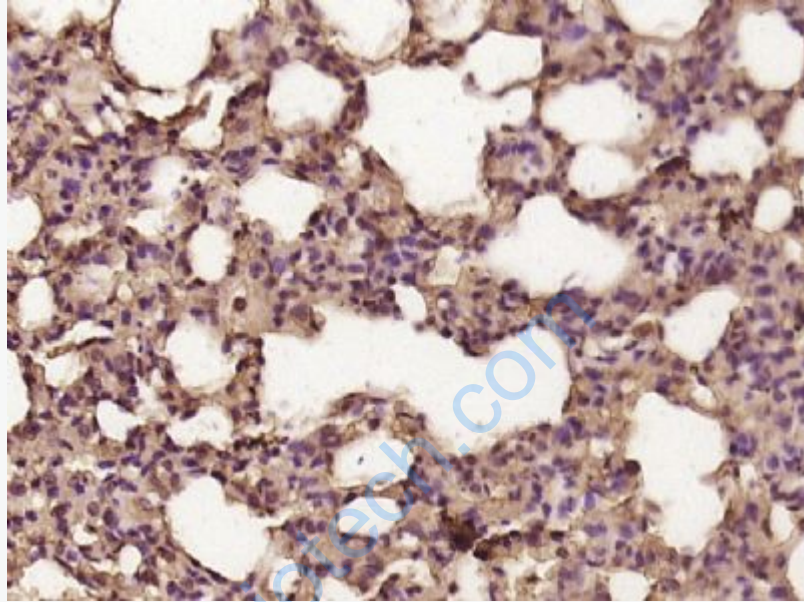
[SwissProt: Q60632](#)Mouse

[Unigene: 519445](#)Human

[Unigene: 439653](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

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 (SL20421R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.