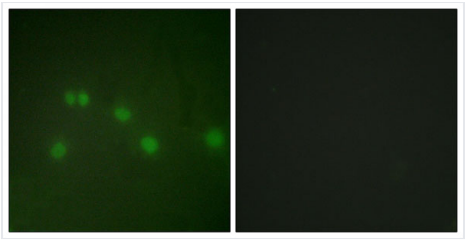
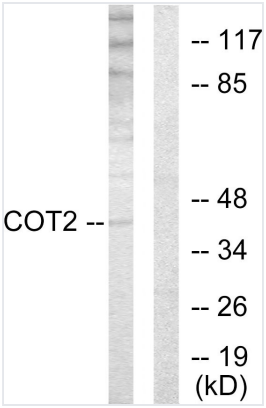
COT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COT2, Polyclonal Antibody
Full Product Name	COT2 Antibody
Product Gene Name	anti-COT2 antibody
Product Synonym Gene Name	NR2F2
Product Synonym Names	apolipoprotein AI regulatory 1; ARP-1; COT2; COUP transcription factor 2; COUP-TF II; COUP-TF2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	COT2 Antibody detects endogenous levels of total COT2 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	45 kDa
OMIM	M64497 mRNA
3D Structure	ModBase 3D Structure for P24468
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human COT2.
Immunogen Range	Jan-50
Applications Tested/Suitable for anti-COT2 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-COT2 antibody	WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:10000
Related Product Information for anti-COT2 antibody	MBS9505000 is an antibody targeting COT2. Also known as COT2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-COT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-COT2 antibody
Immunofluorescence analysis of HUVEC cells, using COT2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-COT2 antibody
Western blot analysis of lysates from HUVEC cells, using COT2 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COT2. It may not necessarily be applicable to this product.

NCBI GI #	223555949
NCBI GeneID	7026
NCBI Accession #	NP_001138627.1
UniProt Primary Accession #	P24468
UniProt Secondary Accession #	Q03754; Q3KQR7; B4DQJ2; B6ZGU1
UniProt Related Accession #	P24468
GenBank Nucleotide #	NM_001145155.1
NCBI Official Full Name	COUP transcription factor 2 isoform b
NCBI Official Synonym Full Names	nuclear receptor subfamily 2 group F member 2
NCBI Official Symbol	NR2F2
NCBI Official Synonym Symbols	ARP1; CHTD4; NF-E3; NR2F1; SVP40; COUPTFB; TFCOUP2; COUPTFII
UniProt Protein Name	COUP transcription factor 2
UniProt Synonym Protein Names	Apolipoprotein A-I regulatory protein 1; ARP-1; COUP transcription factor II; COUP-TF II; Nuclear receptor subfamily 2 group F member 2
UniProt Gene Name	NR2F2
UniProt Synonym Gene Names	ARP1; TFCOUP2; COUP-TF2; ARP-1; COUP-TF II
NCBI Protein Information	COUP transcription factor 2
NCBI Summary for COT2	This gene encodes a member of the steroid thyroid hormone superfamily of nuclear receptors. The encoded protein is a ligand inducible transcription factor that is involved in the regulation of many different genes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
UniProt Comments for COT2	Ligand-activated transcription factor. Activated by high concentrations of 9-cis-retinoic acid and all-trans-retinoic acid, but not by dexamethasone, cortisol or progesterone (in vitro). Regulation of the apolipoprotein A-I gene transcription. Binds to DNA site A.
Research Articles on COT2	**1.** Low COUPTFII expression is associated with prostate cancer.

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