NR2F2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NR2F2, Polyclonal Antibody
Full Product Name	NR2F2 Rabbit pAb
Product Gene Name	anti-NR2F2 antibody
Product Synonym Names	ARP1; CHTD4; NF-E3; SVP40; COUPTF2; COUPTFB; TFCOUP2; COUPTFII
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	45kDa
OMIM	107773
3D Structure	ModBase 3D Structure for P24468
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human NR2F2 (NP_066285.1).
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NR2F2 antibody	Western Blot (WB)
Application Notes for anti-NR2F2 antibody	WB: 1:500-1:2000
Related Product Information for anti-NR2F2 antibody	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.
Other Notes	Small volumes of anti-NR2F2 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.
Searchable Terms for NR2F2 purchase	MBS8547816 is an antibody targeting NR2F2. Also known as NR2F2 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR2F2. 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 Related Accession #	P24468
GenBank Nucleotide #	NP_001138627.1
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; ARP-1; CHTD4; NF-E3; SVP40; COUPTF2; 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
Protein Family	COUP transcription factor
UniProt Gene Name	NR2F2
UniProt Synonym Gene Names	ARP1; TFCOUP2; COUP-TF2; ARP-1; COUP-TF II
UniProt Entry Name	COT2_HUMAN
NCBI Protein Information	COUP transcription factor 2
NCBI Summary for NR2F2	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 NR2F2	NR2F2: 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. Interacts with SQSTM1. Binds DNA as a dimer; homodimer or heterodimer with NR2F6. Interacts with NCOA1, NCOA2, NCOA3 and PPARGC1A. Interacts with ZFPM2. Ubiquitous. Belongs to the nuclear hormone receptor family. NR2 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Nuclear receptor; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 15q26 Cellular Component: nucleus Molecular Function: ligand-dependent nuclear receptor activity; protein binding; protein homodimerization activity; retinoic acid binding; zinc ion binding; sequence-specific DNA binding; steroid hormone receptor activity; transcription corepressor activity; transcription factor activity Biological Process: limb development; skeletal muscle development; intracellular receptor-mediated signaling pathway; transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; neuron migration; negative regulation of cyclin-dependent protein kinase activity; negative regulation of transcription from RNA polymerase II promoter; signal transduction; response to estradiol stimulus; anterior/posterior pattern formation; regulation of transcription from RNA polymerase II promoter; fertilization; forebrain development; negative regulation of endothelial cell proliferation; blood vessel morphogenesis; steroid hormone mediated signaling; lipid metabolic process; negative regulation of transcription, DNA-dependent; radial pattern formation; maternal placenta development Disease: Congenital Heart Defects, Multiple Types, 4
Research Articles on NR2F2	**1.** Study results revealed that COUPTFII knockdown significantly inhibited colorectal cancer invasion and migration. Expression of miR34a was revealed to be inversely correlated with COUPTFII expression. High COUP-TFII expression competitively inhibited miR-34a transcription, thereby promoting the epithelialmesenchymal transition process. These results indicated that COUP-TFII and miR-34a may regulate each other.

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