NR2F2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NR2F2, Monoclonal Antibody
Full Product Name	NR2F2 (Nuclear Receptor Subfamily 2, Group F, Member 2, ARP1, COUP-TFII, COUPTFB, MGC117452, SVP40, TFCOUP2) (MaxLight 490)
Product Gene Name	anti-NR2F2 antibody
Product Synonym Names	Nuclear Receptor Subfamily 2; Group F; Member 2; ARP1; COUP-TFII; COUPTFB; MGC117452; SVP40; TFCOUP2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3B5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes NR2F2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29,163 Da
OMIM	107773
3D Structure	ModBase 3D Structure for P24468
Immunogen	NR2F2 (NP_066285, 153aa-240aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RMPPTQPTHGQFALTNGDPLNCHSYLSGYISLLLRAEPYPTSRFGSQCMQPNNIMGIENICELAARMLFSAVEWARNIPFFPDLQITD
Conjugate	MaxLight490
Product Categories/Family for anti-NR2F2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-NR2F2 antibody	FLISA
Application Notes for anti-NR2F2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NR2F2 antibody	MBS6207667 is an antibody targeting NR2F2. Also known as NR2F2 (Nuclear Receptor Subfamily 2, Group F, Member 2, ARP1, COUP-TFII, COUPTFB, MGC117452, SVP40, TFCOUP2) (MaxLight 490). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant NR2F2.
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR2F2. It may not necessarily be applicable to this product.

NCBI GI #	14149746
NCBI GeneID	7026
NCBI Accession #	NP_066285
UniProt Primary Accession #	P24468
UniProt Secondary Accession #	Q03754; Q3KQR7; B4DQJ2; B6ZGU1
UniProt Related Accession #	P24468
GenBank Nucleotide #	NM_021005.3
NCBI Official Full Name	COUP transcription factor 2 isoform a
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
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.** TGF-beta inhibited the expression of NR2F2.
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