NR5A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NR5A2, Polyclonal Antibody
Full Product Name	NR5A2, ID (NR5A2, B1F, CPF, FTF, Nuclear receptor subfamily 5 group A member 2, Alpha-1-fetoprotein transcription factor, B1-binding factor, CYP7A promoter-binding factor, Hepatocytic transcription factor, Liver receptor homolog 1) (MaxLight 650)
Product Gene Name	anti-NR5A2 antibody
Product Synonym Names	NR5A2; B1F; CPF; FTF; Nuclear receptor subfamily 5 group A member 2; Alpha-1-fetoprotein transcription factor; B1-binding factor; CYP7A promoter-binding factor; Hepatocytic transcription factor; Liver receptor homolog 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	53,657 Da
OMIM	604453
3D Structure	ModBase 3D Structure for O00482
Immunogen	NR5A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 313-342 amino acids from the Central region of human NR5A2.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-NR5A2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-NR5A2 antibody	Western Blot (WB), FLISA
Application Notes for anti-NR5A2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NR5A2 antibody	NR5A2 binds to the sequence element 5'-AACGACCGACCTTGAG-3' of the enhancer II of hepatitis B virus genes, a critical cis-element of their expression and regulation. May be responsible for the liver-specific activity of enhancer II, probably in combination with other hepatocyte transcription factors. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development.
Product References and Citations for anti-NR5A2 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Yazawa, T., et al. Mol. Endocrinol. 24(3):485-496(2010). Petersen, G.M., et al. Nat. Genet. 42(3):224-228(2010). Venteclef, N., et al. Genes Dev. 24(4):381-395(2010).

Other Notes	Small volumes of anti-NR5A2 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 NR5A2 purchase	MBS6326696 is an antibody targeting NR5A2. Also known as NR5A2, ID (NR5A2, B1F, CPF, FTF, Nuclear receptor subfamily 5 group A member 2, Alpha-1-fetoprotein transcription factor, B1-binding factor, CYP7A promoter-binding factor, Hepatocytic transcription factor, Liver receptor homolog 1) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR5A2. It may not necessarily be applicable to this product.

NCBI GI #	4504343
NCBI GeneID	2494
NCBI Accession #	NP_003813.1
UniProt Primary Accession #	O00482
UniProt Secondary Accession #	O95642; Q147U3; B4E2P3
UniProt Related Accession #	O00482
GenBank Nucleotide #	NM_003822.4
NCBI Official Full Name	nuclear receptor subfamily 5 group A member 2 isoform 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 5, group A, member 2
NCBI Official Symbol	NR5A2
NCBI Official Synonym Symbols	B1F; CPF; FTF; B1F2; LRH1; LRH-1; FTZ-F1; hB1F-2; FTZ-F1beta
UniProt Protein Name	Nuclear receptor subfamily 5 group A member 2
UniProt Synonym Protein Names	Alpha-1-fetoprotein transcription factor; B1-binding factor; hB1F; CYP7A promoter-binding factor; Hepatocytic transcription factor; Liver receptor homolog 1; LRH-1
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR5A2
UniProt Synonym Gene Names	B1F; CPF; FTF; hB1F; LRH-1
UniProt Entry Name	NR5A2_HUMAN
NCBI Protein Information	nuclear receptor subfamily 5 group A member 2; nuclear receptor NR5A2; liver receptor homolog 1; liver receptor homolog-1; CYP7A promoter-binding factor; hepatocytic transcription factor hB1F-3; alpha-1-fetoprotein transcription factor; liver nuclear rece

UniProt Comments for NR5A2	NR5A2: Binds to the sequence element 5'-AACGACCGACCTTGAG-3' of the enhancer II of hepatitis B virus genes, a critical cis-element of their expression and regulation. May be responsible for the liver-specific activity of enhancer II, probably in combination with other hepatocyte transcription factors. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development. Belongs to the nuclear hormone receptor family. NR5 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; Nuclear receptor; DNA-binding Chromosomal Location of Human Ortholog: 1q32.1 Cellular Component: cytoplasm; nucleoplasm; nucleus Molecular Function: chromatin binding; DNA binding; ligand-dependent nuclear receptor activity; phospholipid binding; protein binding; RNA polymerase II transcription factor activity, enhancer binding; sequence-specific DNA binding; steroid hormone receptor activity; transcription factor activity; zinc ion binding Biological Process: bile acid metabolic process; cholesterol homeostasis; embryonic development; epithelial cell differentiation; homeostatic process; hormone-mediated signaling; intracellular receptor-mediated signaling pathway; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription, DNA-dependent; positive regulation of viral genome replication; regulation of cell proliferation; regulation of transcription, DNA-dependent; steroid hormone mediated signaling; tissue development; transcription initiation from RNA polymerase II promoter
Research Articles on NR5A2	**1.** during chronic colitis, TNF suppresses intestinal steroidogenic gene expression by inhibiting the activity of NR5A2, thus decreasing glucocorticoid synthesis and sustaining chronic inflammation.
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