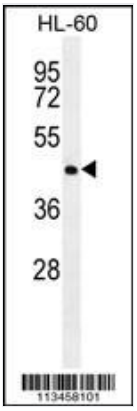
NR6A1 Antibody – Rabbit Polyclonal

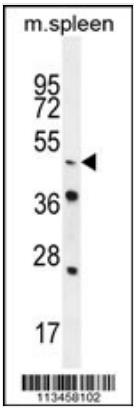
PRODUCT OVERVIEW

Product Name	NR6A1, Polyclonal Antibody
Full Product Name	NR6A1, NT (NR6A1, GCNF, Nuclear receptor subfamily 6 group A member 1, Germ cell nuclear factor, Retinoid receptor-related testis-specific receptor) (Azide free) (HRP)
Product Gene Name	anti-NR6A1 antibody
Product Synonym Names	NR6A1; GCNF; Nuclear receptor subfamily 6 group A member 1; Germ cell nuclear factor; Retinoid receptor-related testis-specific receptor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	602778
3D Structure	ModBase 3D Structure for Q15406
Immunogen	NR6A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-67 amino acids from the N-terminal region of human NR6A1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-NR6A1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-NR6A1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NR6A1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NR6A1 antibody	This gene encodes an orphan nuclear receptor which is a member of the nuclear hormone receptor family. Its expression pattern suggests that it may be involved in neurogenesis and germ cell development. The protein can homodimerize and bind DNA, but in vivo targets have not been identified. The gene expresses at least alternatively spliced transcript variants.
Product References and Citations for anti-NR6A1 antibody	Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010): Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Rajkovic, M., et al. J. Biol. Chem. 279(50):52493-52499(2004). Yang, G., et al. Biol. Reprod. 68(5):1620-1630(2003). Lan, Z.J., et al. J. Biol. Chem. 277(52):50660-50667(2002).

Other Notes	Small volumes of anti-NR6A1 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 NR6A1 purchase	MBS6326703 is an antibody targeting NR6A1. Also known as NR6A1, NT (NR6A1, GCNF, Nuclear receptor subfamily 6 group A member 1, Germ cell nuclear factor, Retinoid receptor-related testis-specific receptor) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-NR6A1 antibody
NR6A1 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the NR6A1 antibody detected the NR6A1 protein (arrow).



Western Blot (WB) of anti-NR6A1 antibody
NR6A1 Antibody (N-term) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the NR6A1 antibody detected the NR6A1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR6A1. It may not necessarily be applicable to this product.

NCBI GI #	53729327
NCBI GeneID	2649
NCBI Accession #	NP_001480.3
NCBI Related Accession #	NP_201591.2
UniProt Primary Accession #	Q15406
UniProt Related Accession #	Q15406
GenBank Nucleotide #	NP_001480.3
NCBI Official Full Name	nuclear receptor subfamily 6 group A member 1 isoform 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 6 group A member 1
NCBI Official Symbol	NR6A1
NCBI Official Synonym Symbols	RTR; GCNF; NR61; hRTR; CT150; GCNF1; hGCNF
UniProt Protein Name	Nuclear receptor subfamily 6 group A member 1
UniProt Synonym Protein Names	Germ cell nuclear factor; GCNF; hGCNF; Retinoid receptor-related testis-specific receptor; RTR; hRTR
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR6A1
UniProt Synonym Gene Names	GCNF; GCNF; hGCNF; RTR; hRTR
UniProt Entry Name	NR6A1_HUMAN
NCBI Protein Information	nuclear receptor subfamily 6 group A member 1

NCBI Summary for NR6A1	This gene encodes an orphan nuclear receptor which is a member of the nuclear hormone receptor family. Its expression pattern suggests that it may be involved in neurogenesis and germ cell development. The protein can homodimerize and bind DNA, but in vivo targets have not been identified. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2013]
UniProt Comments for NR6A1	NR6A1: Orphan nuclear receptor. Binds to a response element containing the sequence 5'-TCAAGGTCA-3'. May be involved in the regulation of gene expression in germ cell development during gametogenesis. Homodimer. Interacts with UIMC1. Shows highest expression in the germ cells of the adult testis. Belongs to the nuclear hormone receptor family. NR6 subfamily. 5 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Nuclear receptor Chromosomal Location of Human Ortholog: 9q33.3 Cellular Component: nucleoplasm; transcription factor complex Molecular Function: ligand-dependent nuclear receptor activity; protein homodimerization activity; DNA binding; zinc ion binding; sequence-specific DNA binding; steroid hormone receptor activity Biological Process: transcription initiation from RNA polymerase II promoter; cell proliferation; intracellular receptor-mediated signaling pathway; gamete generation; positive regulation of transcription from RNA polymerase II promoter; steroid hormone mediated signaling; gene expression; spermatogenesis; negative regulation of transcription from RNA polymerase II promoter
Research Articles on NR6A1	**1.** GCNF acts as a transcriptional repressor in the regulation of OCT4 gene expression through cooperative interaction with three NR binding elements in pluripotent NCCIT cells.
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