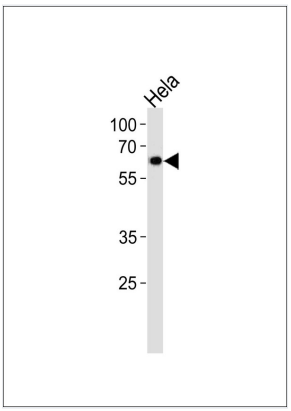
NR1D2 Antibody – Rabbit Polyclonal

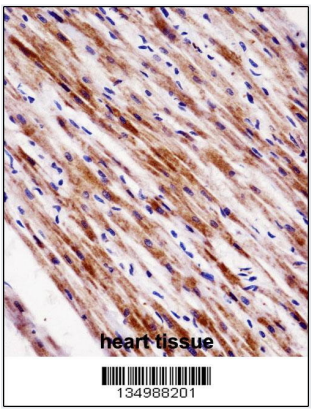
PRODUCT OVERVIEW

Product Name	NR1D2, Polyclonal Antibody
Full Product Name	NR1D2, ID (NR1D2, Nuclear receptor subfamily 1 group D member 2, Orphan nuclear hormone receptor BD73, Rev-erb-beta, V-erbA-related protein 1-related) (AP)
Product Gene Name	anti-NR1D2 antibody
Product Synonym Names	NR1D2; Nuclear receptor subfamily 1 group D member 2; Orphan nuclear hormone receptor BD73; Rev-erb-beta; V-erbA-related protein 1-related
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	64,625 Da
OMIM	602304
3D Structure	ModBase 3D Structure for Q14995
Immunogen	NR1D2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-294 amino acids from the Central region of human NR1D2.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-NR1D2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-NR1D2 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-NR1D2 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NR1D2 antibody	This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. Alternatively spliced transcript variants have been described.
Product References and Citations for anti-NR1D2 antibody	Campos-de-Sousa, S., et al. J. Biol. Rhythms 25(2):132-137(2010). Burris, T.P. Mol. Endocrinol. 22(7):1509-1520(2008). Liu, A.C., et al. PLoS Genet. 4 (2), E1000023 (2008): Wang, J., et al. Biochim. Biophys. Acta 1783(2):224-236(2008). Raghuram, S., et al. Nat. Struct. Mol. Biol. 14(12):1207-1213(2007).
Other Notes	Small volumes of anti-NR1D2 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 NR1D2 purchase	MBS6326490 is an antibody targeting NR1D2. Also known as NR1D2, ID (NR1D2, Nuclear receptor subfamily 1 group D member 2, Orphan nuclear hormone receptor BD73, Rev-erb-beta, V-erbA-related protein 1-related) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NR1D2 antibody
NR1D2 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the NR1D2 antibody detected the NR1D2 protein (arrow).



Immunohistochemistry (IHC) of anti-NR1D2 antibody
NR1D2 Antibody (Center) (AP14855c)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NR1D2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR1D2. It may not necessarily be applicable to this product.

NCBI GI #	224177491
NCBI GeneID	9975
NCBI Accession #	NP_005117.3
UniProt Primary Accession #	Q14995
UniProt Secondary Accession #	O00402; Q86XD4; B2R8Q3
UniProt Related Accession #	Q14995
GenBank Nucleotide #	NM_005126.4
NCBI Official Full Name	nuclear receptor subfamily 1 group D member 2 isoform 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 1, group D, member 2
NCBI Official Symbol	NR1D2
NCBI Official Synonym Symbols	RVR; BD73; EAR-1R
UniProt Protein Name	Nuclear receptor subfamily 1 group D member 2
UniProt Synonym Protein Names	Orphan nuclear hormone receptor BD73; Rev-erb alpha-related receptor; RVR; Rev-erb-beta; V-erbA-related protein 1-related
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR1D2
UniProt Synonym Gene Names	RVR; EAR-1R
UniProt Entry Name	NR1D2_HUMAN
NCBI Protein Information	nuclear receptor subfamily 1 group D member 2; rev-erb-beta; rev-erb alpha-related receptor; rev-erba-alpha-related receptor; V-erbA-related protein 1-related; orphan nuclear hormone receptor BD73; nuclear receptor Rev-ErbA beta variant 1; nuclear recepto

UniProt Comments for NR1D2	NR1D2: Binds to the sequences 5'-AATGTAGGTCA-3' and 5'- ATAACTAGGTCA-3'. Acts as a potent competitive repressor of ROR alpha function. Belongs to the nuclear hormone receptor family. NR1 subfamily. Protein type: Nuclear receptor; DNA-binding Chromosomal Location of Human Ortholog: 3p24.2 Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; ligand-dependent nuclear receptor activity; zinc ion binding; steroid hormone receptor activity Biological Process: transcription initiation from RNA polymerase II promoter; intracellular receptor-mediated signaling pathway; regulation of lipid metabolic process; regulation of transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; regulation of inflammatory response; rhythmic process; lipid homeostasis; gene expression; steroid hormone mediated signaling; negative regulation of transcription, DNA-dependent; regulation of circadian rhythm
Research Articles on NR1D2	**1.** Our results suggest that the REV-ERBalpha rs2071427 polymorphism modulates body fat mass in both adult and young people.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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