



Rabbit Anti-NR1D1 antibody

SL20222R

Product Name:	NR1D1
Chinese Name:	The nucleus受体Rev-Erb α 抗体
Alias:	EAR-1; EAR1; ERBA-RELATED 1; hRev; Nr1d1; NR1D1_HUMAN; Nuclear Receptor Rev-ErbA Alpha; Nuclear receptor subfamily 1 group D member 1; Orphan nuclear receptor NR1D1; Rev erbAalpha; Rev erbalpha; Rev-erbA-alpha; Rev-ErbAalpha; REV-ERBalpha; THRA1; THRAL; Thyroid hormone receptor alpha-like; Thyroid hormone receptor, alpha like; V-erbA related protein EAR-1; V-erbA-related protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	67kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NR1D1:61-150/614
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	NR1D1, a NR1 Thyroid Hormone-Like Receptor, is encoded by the same genomic locus as, but transcribed from the opposite strand of, Thyroid Hormone Receptor Alpha (TR

Alpha). NR1D1 is a target of Nuclear Receptor ROR Alpha and a transcription regulator that has been shown to affect myocyte differentiation, adipogenesis, and lipoprotein metabolism. Mice lacking NR1D1 show abnormal postnatal cerebellar development. NR1D1 expression has been documented in human skeletal muscle and a variety of mouse and rat tissues. ESTs have been isolated from human tissue libraries, including cancerous adrenal, blood, brain, breast, colon, duodenum, fetus, head/neck, kidney, lung, skeletal muscle, skin, synovium, uterus, normal brain, breast, colon, eye, heart, pancreas, pituitary, prostate, skeletal muscle, skin, testis and thyroid.

Function:

Functions as a constitutive transcriptional repressor. In collaboration with SP1, activates GJA1 transcription. Possible receptor for triiodothyronine.

Subunit:

Interacts with C1D and NR2E3. Interacts with SP1.

Subcellular Location:

Nucleus (Potential).

Tissue Specificity:

Expressed in all tissues and cell lines examined. Expressed at high levels in some squamous carcinoma cell lines.

Similarity:

Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

P20393

Gene ID:

9572

Database links:

[Entrez Gene: 9572](#) Human

[Entrez Gene: 768225](#) Cow

[Entrez Gene: 217166](#) Mouse

[Entrez Gene: 252917](#) Rat

[Omim: 602408](#) Human

[SwissProt: Q08E02](#) Cow

[SwissProt: P20393](#) Human

[SwissProt: Q3UV55](#) Mouse

[SwissProt: Q63503](#) Rat

[Unigene: 592130](#) Human

[Unigene: 724](#) Human

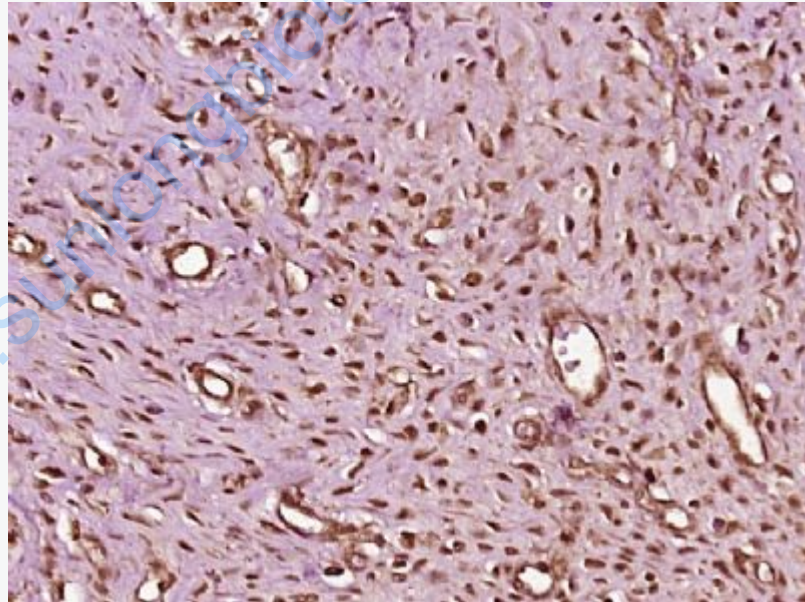
[Unigene: 390397](#) Mouse

[Unigene: 29848](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (rat uterus tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NR1D1) Polyclonal Antibody, Unconjugated (SL20222R) at 1:400 overnight at 4°C, followed by operating according to SP

	Kit(Rabbit) (sp-0023) instructions and DAB staining.
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