



Datasheet for ABIN2780498
anti-NR2C1 antibody (N-Term)



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2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | NR2C1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Guinea Pig, Pig, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NR2C1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human NR2C1 |
| Sequence: | ATIEEIAHQI IEQQMGEIVT EQQTGQKIQI VTALDHNTQG KQFILTNHDG |
| Predicted Reactivity: | Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92% |
| Characteristics: | This is a rabbit polyclonal antibody against NR2C1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|---------|-------|
| Target: | NR2C1 |
|---------|-------|

Target Details

Alternative Name: NR2C1 ([NR2C1 Products](#))

Background: The nuclear orphan receptors NR2C1 represses transcription and binds DNA as a homodimer. NR2C1 binds the IR7 element in the promoter of its own gene in an autoregulatory negative feedback mechanism. NR2C1 may function as a negative modulator to suppress androgen receptor function in prostate cancer. NR2C1 may exert an important repressor in regulating ER activity in mammary glands. The nuclear orphan receptors TR2 (NR2C1) and TR4 form a heterodimer that binds to the epsilon and gamma globin promoter DR1 sites. This gene encodes a nuclear hormone receptor characterized by a highly conserved DNA binding domain (DBD), a variable hinge region, and a carboxy-terminal ligand binding domain (LBD) that is typical for all members of the steroid/thyroid hormone receptor superfamily. This protein also belongs to a large family of ligand-inducible transcription factors that regulate gene expression by binding to specific DNA sequences within promoters of target genes. Multiple alternatively spliced transcript variants have been described, but the full-length nature of some of these variants has not been determined.

Alias Symbols: TR2, TR2-11

Protein Interaction Partner: PSPC1, MBD3, SIN3A, RCOR1, KDM1A, POLD3, TRIM28, RBM39, MTA2, MTA1, HDAC3, NR2C2, SMARCA4, SFPQ, RBBP7, RBBP4, NONO, HDAC2, HDAC1, HCFC1, DNMT1, CHD4, NUDT3, UBC, PML, HDAC4, NRIP1, AR, ESR1,

Protein Size: 467

Molecular Weight: 51 kDa

Gene ID: 7181

NCBI Accession: [NM_001032287](#), [NP_001027458](#)

UniProt: [Q15626](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 467 AA

Restrictions: For Research Use only

Handling

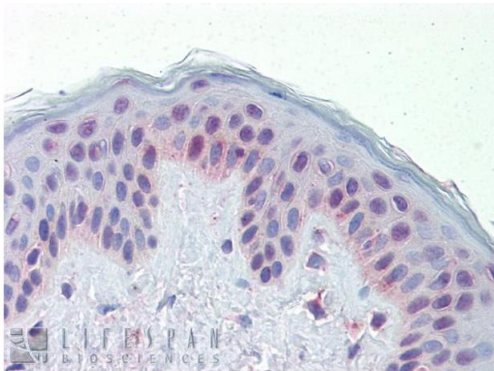
| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-NR2C1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 721_B cell lysate



Rabbit Anti-NR2C1 Antibody
Catalog Number: ARP38286
Lot Number: QC10858
Paraffin Embedded Tissue: Human Skin
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

Immunohistochemistry

Image 2. Immunohistochemistry with Human Skin lysate tissue at an antibody concentration of 5.0ug/ml using anti-NR2C1 antibody