

## Rabbit anti-Human, Mouse NR1D1 Monoclonal Antibody | anti-NR1D1 antibody

NR1D1 Conjugated Antibody

|                               |                       |                                   |
|-------------------------------|-----------------------|-----------------------------------|
| CATALOG #<br><b>AAA312825</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> |
|-------------------------------|-----------------------|-----------------------------------|

### PRODUCT SYNONYMS

NR1D1; Monoclonal Antibody; NR1D1 Conjugated Antibody; EAR-1 antibody; EAR1 antibody; ERBA-related 1 antibody; hRev antibody; Nr1d1 antibody; NR1D1\_HUMAN antibody; Nuclear receptor Rev ErbA alpha antibody; Nuclear receptor subfamily 1 group D member 1 antibody; Rev erbAalpha antibody; Rev erbalph antibody; Rev-erbA-alpha antibody; Rev-ErbAalpha antibody; Reverba antibody; THRA1 antibody; THRAL antibody; Thyroid hormone receptor; alpha like antibody; alpha-1- like antibody; V-erbA-related protein 1 antibody; anti-NR1D1 antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| Host                    | Rabbit                                                                                      |
| Reactivity              | Human, Mouse                                                                                |
| Clonality               | Monoclonal                                                                                  |
| Form/Format             | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Antibody Type           | Recombinant Antibody                                                                        |
| Immunogen               | Recombinant protein                                                                         |
| Conjugation             | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                      |
| Excitation Emission     | AF350: 346nm/442nm                                                                          |
| Preparation and Storage | Store at 4 degree C for 6 months.                                                           |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-NR1D1 antibody | Transcriptional repressor which coordinates circadian rhythm and metabolic pathways in a heme-dependent manner. Integral component of the complex transcription machinery that governs circadian rhythmicity and forms a critical negative limb of the circadian clock by directly repressing the expression of core clock components ARTNL/BMAL1, CLOCK and CRY1. Also regulates genes involved in metabolic functions, including lipid and bile acid metabolism, adipogenesis, gluconeogenesis and the macrophage inflammatory response. Acts as a receptor for heme which stimulates its interaction with the NCOR1/HDAC3 corepressor complex, enhancing transcriptional repression. Recognizes two classes of DNA response elements within the promoter of its target genes and can bind to DNA as either monomers or homodimers, depending on the nature of the response element. Binds as a monomer to a response element composed of the consensus half-site motif 5'-[A/G]GGTCA-3' preceded by an A/T-rich 5' sequence (RevRE), or as a homodimer to a direct repeat of the core motif spaced by two nucleotides (RevDR-2). |
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### NCBI AND UNIPROT INFORMATION

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|-------------------------|-----------------------------------------------|
| NCBI GI #               | 119100                                        |
| NCBI GeneID             | 9572                                          |
| UniProt Accession #     | P20393; Q0P5Z4; Q15304                        |
| Molecular Weight        | 614                                           |
| NCBI Official Full Name | Nuclear receptor subfamily 1 group D member 1 |

|                                  |                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Full Names | nuclear receptor subfamily 1, group D, member 1                                                                                         |
| NCBI Official Symbol             | NR1D1                                                                                                                                   |
| NCBI Official Synonym Symbols    | EAR1; hRev; THRA1; THRAL; ear-1                                                                                                         |
| NCBI Protein Information         | nuclear receptor subfamily 1 group D member 1; Rev-ErbAalpha; rev-erbA-alpha; V-erbA-related protein 1; nuclear receptor Rev-ErbA-alpha |
| UniProt Protein Name             | Nuclear receptor subfamily 1 group D member 1                                                                                           |
| UniProt Gene Name                | <b>NR1D1</b>                                                                                                                            |
| UniProt Synonym Gene Names       | EAR1; HREV; THRAL; EAR-1                                                                                                                |
| UniProt Entry Name               | NR1D1_HUMAN                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/nr1d1-antibody-elisa/312825>