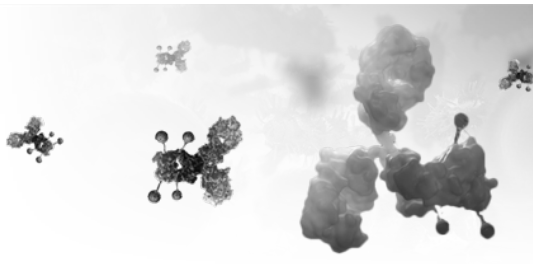

# Human RORA peptide (DAG-P1090)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, as well as with NM23-1, the product of a tumor metastasis suppressor candidate gene. Also, it has been shown to aid in the transcriptional regulation of some genes involved in circadian rhythm. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2014] |
| **Specificity** | Widely expressed in a number of tissues. |
| **Purity** | > 90 % by SDS-PAGE.This antibody is greater than 70% pure. |
| **Conjugate** | Unconjugated |
| **Applications** | Neut |
| **Sequence Similarities** | Belongs to the nuclear hormone receptor family. NR1 subfamily.Contains 1 nuclear receptor DNA-binding domain. |
| **Format** | Liquid |
| **Buffer** | Double distilled water or equivalent after reconstitution. |
| **Preservative** | None |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Double distilled water or equivalent after reconstitution. |

## GENE INFORMATION

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|---|---|
| **Gene Name** | RORA RAR-related orphan receptor A [ Homo sapiens (human) ] |
| **Official Symbol** | RORA |
| **Synonyms** | RORA; RAR-related orphan receptor A; ROR1; ROR2; ROR3; RZRA; NR1F1; RZR-ALPHA; nuclear receptor ROR-alpha; ROR-alpha; nuclear receptor RZR-alpha; transcription factor RZR-alpha; retinoid-related orphan receptor alpha; nuclear receptor subfamily 1 group F member 1; thyroid hormone nuclear receptor alpha variant 4; retinoic acid receptor-related orphan receptor alpha; |
| **Entrez Gene ID** | 6095 |
| **mRNA Refseq** | NM_002943.3 |
| **Protein Refseq** | NP_002934.1 |
| **UniProt ID** | P35398 |
| **Chromosome Location** | 15q22.2 |
| **Pathway** | Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Circadian rhythm, organism-specific biosystem; Circadian rhythm, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organi |
| **Function** | DNA binding; direct ligand regulated sequence-specific DNA binding transcription factor activity; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; oxysterol binding; protein binding; sequence-specific DNA bin |

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