

C1orf51 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10380a**Specification**

C1orf51 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q8N365](#)
Other Accession [NP_653298.1](#)

C1orf51 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 148523

Other Names

Circadian-associated transcriptional repressor, ChIP-derived repressor of network oscillator, Chrono, Computationally highlighted repressor of the network oscillator, CIART, C1orf51

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

C1orf51 Antibody (N-term) Blocking peptide - Protein Information

Name CIART

Synonyms C1orf51

Function

Transcriptional repressor which forms a negative regulatory component of the circadian clock and acts independently of the circadian transcriptional repressors: CRY1, CRY2 and BHLHE41. In a histone deacetylase-dependent manner represses the transcriptional activator activity of the CLOCK-BMAL1 heterodimer. Abrogates the interaction of BMAL1 with the transcriptional coactivator CREBBP and can repress the histone acetyl-transferase activity of the CLOCK-BMAL1 heterodimer, reducing histone acetylation of its target genes. Rhythmically binds the E-box elements (5'-CACGTG-3') on circadian gene promoters and its occupancy shows circadian oscillation antiphasic to BMAL1. Interacts with the glucocorticoid receptor (NR3C1) and contributes to the repressive function in the glucocorticoid response (By similarity).

Cellular Location

Nucleus. Nucleus, PML body. Note=Co-localizes with the CLOCK-BMAL1 heterodimer in the PML body.

C1orf51 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

C1orf51 Antibody (N-term) Blocking peptide - Images**C1orf51 Antibody (N-term) Blocking peptide - References**

Lamesch, P., et al. Genomics 89(3):307-315(2007)