

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

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**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)