

**RCOR1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17018a****Specification**

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**RCOR1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9UKL0](#)**RCOR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23186**Other Names**

REST corepressor 1, Protein CoREST, RCOR1, KIAA0071, RCOR

**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.

**RCOR1 Antibody (N-term) Blocking Peptide - Protein Information****Name** RCOR1**Synonyms** KIAA0071, RCOR**Function**

Essential component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it serves as a molecular beacon for the recruitment of molecular machinery, including MeCP2 and SUV39H1, that imposes silencing across a chromosomal interval. Plays a central role in demethylation of Lys-4 of histone H3 by promoting demethylase activity of KDM1A on core histones and nucleosomal substrates. It also protects KDM1A from the proteasome. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development and controls hematopoietic differentiation.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00512, ECO:0000255|PROSITE-ProRule:PRU00624, ECO:0000269|PubMed:10734093, ECO:0000269|PubMed:15897453}. Note=Upon infection by HSV-1, it is partially translocated into the cytoplasm in an HSV-1-dependent manner

**Tissue Location**

Ubiquitously expressed.

**RCOR1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**RCOR1 Antibody (N-term) Blocking Peptide - Images****RCOR1 Antibody (N-term) Blocking Peptide - Background**

The RCOR gene encodes a functional corepressor required for regulation of neural-specific gene expression.[supplied by OMIM].

**RCOR1 Antibody (N-term) Blocking Peptide - References**

Xiao, J., et al. J. Orthop. Res. 28(12):1569-1575(2010) Everett, R.D. J. Virol. 84(7):3695-3698(2010) Das, C., et al. J. Mol. Biol. 397(1):1-12(2010) Laurent, B., et al. Stem Cells 27(9):2153-2162(2009) Wang, Y., et al. Cell 138(4):660-672(2009)