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RBBP7 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8826a

Specification

RBBP7 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q16576

RBBP7 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5931

Other Names
Histone-binding protein RBBP7, Histone acetyltransferase type B subunit 2, Nucleosome-remodeling factor subunit RBAP46, Retinoblastoma-binding protein 7, RBBP-7, Retinoblastoma-binding protein p46, RBBP7, RBAP46

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8826a was selected from the N-term region of human RBBP7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RBBP7 Antibody (N-term) Blocking Peptide - Protein Information

Name RBBP7

Synonyms RBAP46

Function
Core histone-binding subunit that may target chromatin remodeling factors, histone acetyltransferases and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the type B histone acetyltransferase (HAT) complex, which is required for chromatin assembly following DNA replication; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; and the PRC2/EED-EZH2

complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex.

Cellular Location
Nucleus

RBBP7 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RBBP7 Antibody (N-term) Blocking Peptide - Images

RBBP7 Antibody (N-term) Blocking Peptide - Background

RBBP7 is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that binds directly to retinoblastoma protein, which regulates cell proliferation. This protein is found in many histone deacetylase complexes, including mSin3 co-repressor complex. It is also present in protein complexes involved in chromatin assembly. This protein can interact with BRCA1 tumor-suppressor gene and may have a role in the regulation of cell proliferation and differentiation.

RBBP7 Antibody (N-term) Blocking Peptide - References

Zhang,Y., et.al., Mol. Cell 1 (7), 1021-1031 (1998)Verreault,A., et.al., Curr. Biol. 8 (2), 96-108 (1998)