

RBBP7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16321c**Specification**

RBBP7 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q16576](#)**RBBP7 Antibody (Center) 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

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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RBBP7 Antibody (Center) Blocking Peptide - Images

RBBP7 Antibody (Center) Blocking Peptide - Background

This protein 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. The encoded 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. Two transcript variants encoding different isoforms have been found for this gene.

RBBP7 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Saade, E., et al. Proteomics 9(21):4934-4943(2009) Wang, C.L., et al. J. Proteome Res. 8(10):4428-4440(2009) Li, R., et al. EMBO J. 28(18):2763-2776(2009)