10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RBBP7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8826a

Specification

RBBP7 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q16576
Other Accession	Q8AVH1, Q71UF4, Q60973, Q4R304, Q3SWX8
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**47820**
Antigen Region	**1-30**

RBBP7 Antibody (N-term) - 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
This RBBP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human RBBP7.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RBBP7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RBBP7 Antibody (N-term) - Protein Information

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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.

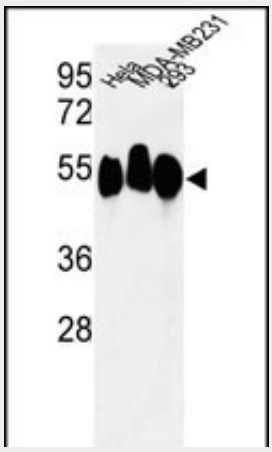
Cellular Location
Nucleus

RBBP7 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RBBP7 Antibody (N-term) - Images



Western blot analysis of RBBP7 Antibody (N-term) (Cat. #AP8826a) in Hela, MDA-MB231, 293 cell line lysates (35ug/lane). RBBP7 (arrow) was detected using the purified Pab.

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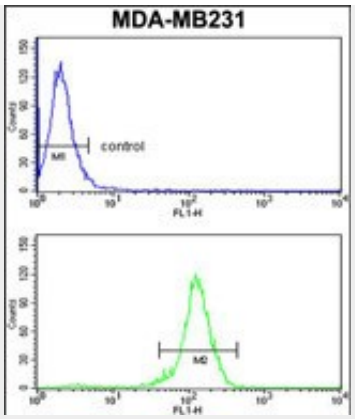

RBBP7 Antibody (N-term) (Cat.#AP8826a) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RBBP7 Antibody (N-term) - 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) - References

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