

**RBBP4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11147****Specification****RBBP4 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">Q09028</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>47656</b>

**RBBP4 Antibody - Additional Information****Gene ID 5928**

Positive Control	<b>Western Blot:</b> <b>Various cell lysates</b>
Application & Usage	<b>Western blot:</b> <b>1:500 - 1:2000,</b> <b>IHC: 1:50 - 1:200.</b>

**Other Names**  
NURF55, RBAP48**Target/Specificity**  
RBBP4**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
100 µg of antibody in 100 µl PBS containing  
0.02% sodium azide, 50% glycerol, pH 7.3**Handling**  
The antibody solution should be gently  
mixed before use.**Reconstitution & Storage**  
-20 °C**Background Descriptions****RBBP4 Antibody - Background**

Retinoblastoma associated proteins 46 and 48 (RBAP46 and RBAP48; also known as RBBP7 and RBBP4) were first characterized in human cells as proteins that bind to the retinoblastoma (Rb) tumor suppressor protein. Since then, these proteins have been shown to be components of many protein complexes involved in chromatin regulation, including the chromatin assembly factor 1 (CAF1) complex and type B histone acetyltransferase complex HAT1, both of which function in chromatin assembly during DNA replication. RBAP46 and RBAP48 are also found in the nucleosome remodeling factor complex NURF, the nucleosome remodeling and histone deacetylation complex NuRD, and the Sin3/HDAC histone deacetylation complex. More recently, RBAP46 and RBAP48 were identified as components of the polycomb repressor complex PRC2, which also contains EED and Ezh2. RBAP46 and RBAP48 bind to the histone fold region of histone H4 and are believed to target these chromatin remodeling, histone acetylation, and histone deacetylation complexes to their histone substrates.

**Precautions**

RBBP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**RBBP4 Antibody - Protein Information**

**Name** RBBP4

**Synonyms** RBAP48

**Function**

Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors 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 chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; 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; the PRC2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex.

**Cellular Location**

Nucleus Note=Localizes to chromatin as part of the PRC2 complex

**RBBP4 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)