

**KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody**  
**Mouse monoclonal Antibody**  
**Catalog # AGI2165****Specification****KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q16576</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 48 kDa, observed, 50 kDa kDa
Gene Name	RBBP7
Aliases	RBBP7; RB Binding Protein 7, Chromatin Remodeling Factor; Histone Acetyltransferase Type B Subunit 2; Retinoblastoma-Binding Protein P46; Retinoblastoma-Binding Protein 7; RbAp46; G1/S Transition Control Protein-Binding Protein RbAp46; Nucleosome-Remodeling Factor Subunit RBAP46; Retinoblastoma-Binding Protein RbAp46; Histone-Binding Protein RBBP7; RBBP-7; Retinoblastoma Binding Protein 7; RB Binding Protein 7; RBAP46
Immunogen	Recombinant protein of human RBBP7

**KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody - Additional Information**

Gene ID	5931
<b>Other Names</b>	
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	

**KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody - 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

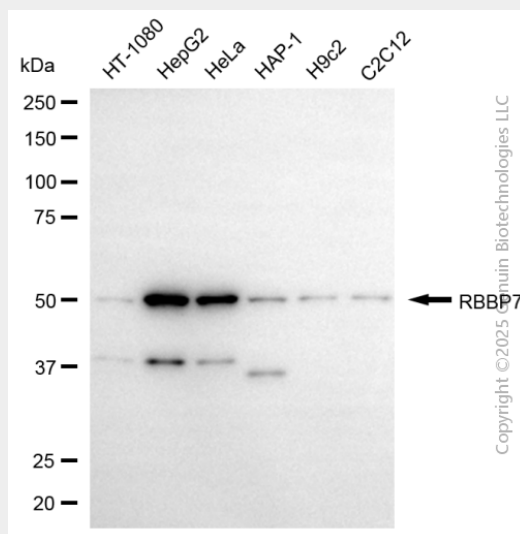
Nucleus

#### KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody - Protocols

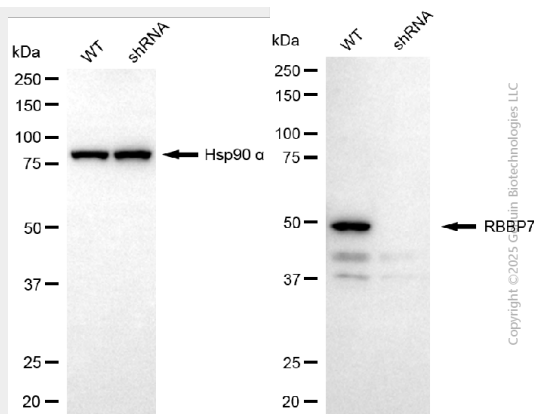
Provided below are standard protocols that you may find useful for product applications.

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

#### KD-Validated Anti-RBBP7 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-RBBP7 antibody (Cat#65038). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RBBP7 antibody (Cat#65038, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-RBBP7 antibody (Cat#65038). RBBP7 expression in wild-type (WT) and RBBP7 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-RBBP7 antibody (Cat#65038, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).