

Product Name: KD-Validated RBBP7 Mouse Monoclonal Antibody**Catalog #: KVA00433**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 47.8kDa

Antigen Information

Gene Name	RBBP7 RBBP7; RB Binding Protein 7, Chromatin Remodeling Factor; Histone Acetyltransferase Type B Subunit 2; Retinoblastoma-Binding Protein P46; Retinoblastoma-Binding Protein 7;
Alternative Names	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
Gene ID	5931.0
SwissProt ID	Q16576
Immunogen	Recombinant protein of human RBBP7

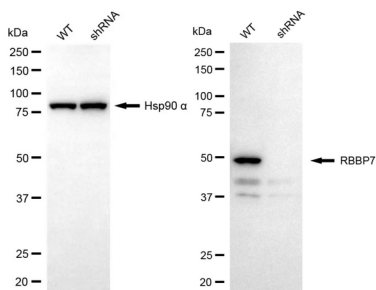
Background

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. [provided by RefSeq, Nov 2010]

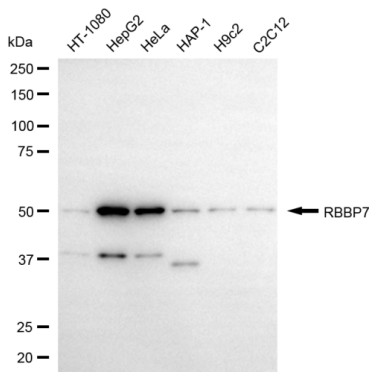
Research Area

Cancer

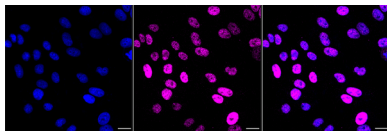
Image Data



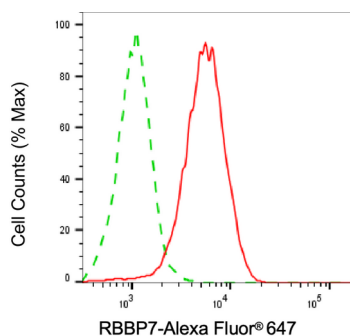
Western blotting analysis using RBBP7 antibody (KVA00433). RBBP7 expression in wild-type (WT) and RBBP7 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RBBP7 antibody (KVA00433, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using RBBP7 antibody (KVA00433). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RBBP7 antibody (KVA00433, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RBBP7 antibody (KVA00433, 1:1,000). Nuclei were stained blue with DAPI; RBBP7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of RBBP7 expression in HepG2 cells using RBBP7 antibody (KVA00433, 1:1,000). Green, isotype control; red, RBBP7.

