# RbAp46/RBBP7 Rabbit pAb

Catalog No.: A13456



## **Basic Information**

#### **Observed MW**

48kDa

#### **Calculated MW**

48kDa

#### Category

Primary antibody

#### **Applications**

ELISA, WB, IHC-P, IF/ICC, ChIP

#### **Cross-Reactivity**

Human, Mouse, Rat

## **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.

## **Recommended Dilutions**

WB	1:100 - 1:500
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

5µg antibody for **ChIP** 

10μg-15μg of Chromatin

## **Immunogen Information**

Gene ID	Swiss Prot	
5931	Q16576	

#### **Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human RbAp46/RBBP7 (NP\_002884.1).

## **Synonyms**

RbAp46; RbAp46/RBBP7

## **Contact**

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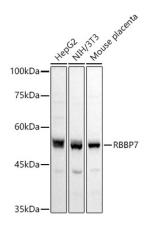
## **Product Information**

Source Isotype **Purification** Rabbit IgG Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.



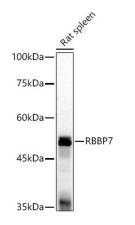
Western blot analysis of various lysates using RbAp46/RBBP7 Rabbit pAb (A13456) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Western blot analysis of lysates from Rat spleen, using RbAp46/RBBP7 Rabbit pAb (A13456) at 1:500 dilution.

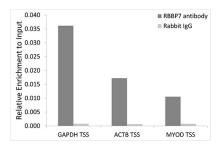
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

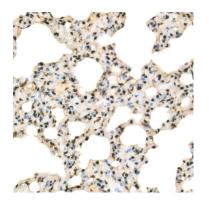
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using RbAp46/RBBP7 antibody (A13456) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



## **Validation Data**

Immunohistochemistry analysis of paraffinembedded rat lung using RbAp46/RBBP7 Rabbit pAb (A13456) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.