

RBBP4 Rabbit pAb

Catalog No.: A1490

Basic Information

Observed MW

55kDa

Calculated MW

48kDa

Category

Primary antibody

Applications

WB, IF/ICC, IP, ELISA, ChIP

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. This protein also seems to be involved in transcriptional repression of E2F-responsive genes. Three transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000**IF/ICC** 1:50 - 1:200**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.**ChIP** 5µg antibody for 10µg-15µg
of Chromatin

Immunogen Information

Gene ID

5928

Swiss Prot

Q09028

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NURF55; RBAP48; lin-53; RBBP4

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

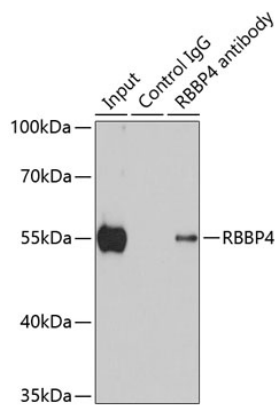
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

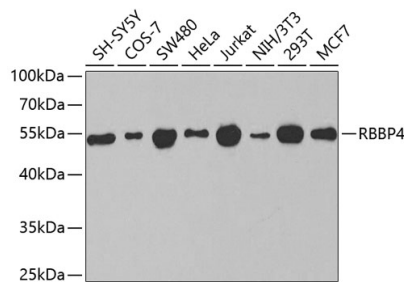
Contact

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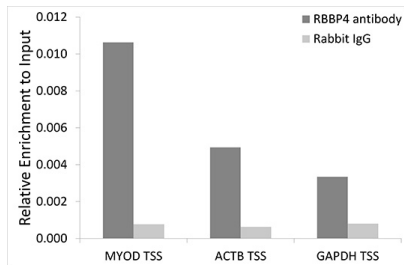
Validation Data



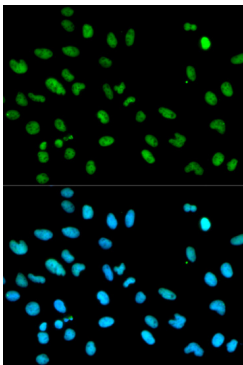
Immunoprecipitation analysis of 200 µg extracts of 293T cells using 1 µg RBBP4 antibody (A1490). Western blot was performed from the immunoprecipitate using RBBP4 antibody (A1490) at a dilution of 1:1000.



Western blot analysis of various lysates using RBBP4 Rabbit pAb (A1490) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using RBBP4 antibody (A1490) 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.



Immunofluorescence analysis of MCF-7 cells using RBBP4 Rabbit pAb (A1490). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI nuclear staining.

Validation Data

DAPI for nuclear staining.