RBBP4

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF IP ChIP

Recommended Dilution:WB 1:500 - 1:200 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:20 - 1:100 Calculated MW:48kDa Observed MW:Refer to Figures Immunogen: Recombinant protein of human RBBP4 Storage Buffer: Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. Concentration: Synonym: NURF55; RBAP48;

Background:

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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 (1). Since then, these proteins have been shown to be components of many protein complexes involved in chromatin regulation, including the chromatin assembly factor 1 (CAF-1) complex and type B histone acetyltransferase complex HAT1, both of which function in chromatin assembly during DNA replication (2,3). RBAP46 and RBAP48 are also found in the nucleosome remodeling factor complex NURF, the nucleosome remodeling and histone de-acetylation complex NuRD, and the Sin3/HDAC histone de-acetylation complex (4-7). More recently, RBAP46 and RBAP48 were identified as components of the polycomb repressor complex PRC2, which also contains EED and Ezh2 (8). RBAP46 and RBAP48 bind to the histone fold region of histone H4 and are believed to target these chromatin remodeling, histone acetylation, and histone de-acetylation complexes to their histone substrates (3).

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Catalog #:A1490 Antibody Type: Polyclonal Antibody Species:Rabbit Gene ID:5928 Isotype:IgG Swiss Prot:Q09028 Purity: Affinity purification

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