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KD-Validated Anti-RBBP4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1664

Product Information

Application	WB, FC, ICC
Primary Accession	Q09028
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1240
Calculated MW	47656
Gene Name	RBBP4
Aliases	RB Binding Protein 4, Chromatin Remodeling Factor; Retinoblastoma-Binding Protein 4; RbAp48; NURF55; Lin-53; Nucleosome-Remodeling Factor Subunit RBAP48; Chromatin Assembly Factor I P48 Subunit; Chromatin Assembly Factor 1 Subunit C; Retinoblastoma-Binding Protein P48; Histone-Binding Protein RBBP4; CAF-I 48 KDa Subunit; CAF-1 Subunit C; CAF-I P48; RBBP-4; Chromatin Assembly Factor/CAF-1 P48 Subunit; Retinoblastoma Binding Protein 4; MSI1 Protein Homolog; RBAP48
Immunogen	A synthesized peptide derived from human RbAp48

Additional Information

Gene ID	5928
Other Names	Histone-binding protein RBBP4, Chromatin assembly factor 1 subunit C, CAF-1 subunit C, Chromatin assembly factor I p48 subunit, CAF-I 48 kDa subunit, CAF-I p48, Nucleosome-remodeling factor subunit RBAP48, Retinoblastoma-binding protein 4, RBBP-4, Retinoblastoma-binding protein p48, RBBP4, RBAP48

Protein Information

Name	RBBP4
Synonyms	RBAP48
Function	Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA (PubMed:10866654). Component of the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair (PubMed:8858152). Component of the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression (PubMed:9150135). Component of the nucleosome remodeling and histone deacetylase complex (the NuRD

	complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling (PubMed:16428440, PubMed:28977666, PubMed:39460621). Component of the PRC2 complex, which promotes repression of homeotic genes during development (PubMed:29499137, PubMed:31959557). Component of the NURF (nucleosome remodeling factor) complex (PubMed:14609955, PubMed:15310751).
Cellular Location	Nucleus. Chromosome, telomere. Note=Localizes to chromatin as part of the PRC2 complex.
Tissue Location	Expressed in neuroblastoma cells.

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