

## ARG58951 anti-RBBP4 / RbAp48 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes RBBP4 / RbAp48
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	ChIP, ICC/IF, IHC-P, IP, WB
Specificity	This antibody might react to RbAp46.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RBBP4 / RbAp48
Antigen Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-425 of Human RBBP4 (NP_005601.1).
Conjugation	Un-conjugated
Alternate Names	Retinoblastoma-binding protein 4; Retinoblastoma-binding protein p48; Chromatin assembly factor I p48 subunit; Nucleosome-remodeling factor subunit RBAP48; RBBP-4; NURF55; lin-53; CAF-I p48; CAF-I 48 kDa subunit; Chromatin assembly factor 1 subunit C; CAF-1 subunit C; RBAP48; Histone-binding protein RBBP4

### Application Instructions

Application table	Application	Dilution
	ChIP	1:20 - 1:100
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Application Note		
Positive Control	SH-SY5Y	
Calculated Mw	48 kDa	
Observed Size	55 kDa	

### Properties

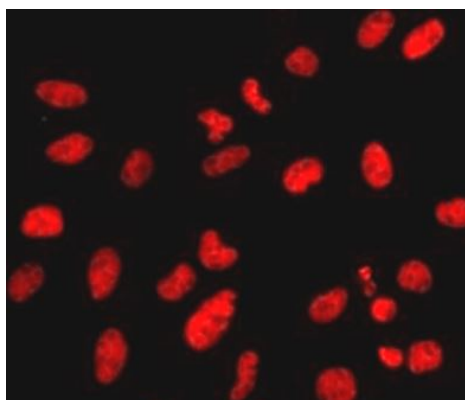
Form	Liquid
Purification	Affinity purified.

Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

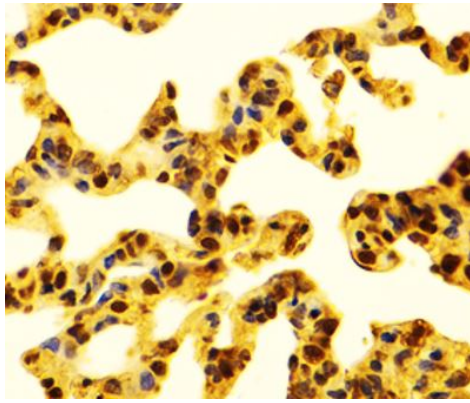
Gene Symbol	RBBP4
Gene Full Name	retinoblastoma binding protein 4
Background	This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is 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. [provided by RefSeq, Sep 2008]
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. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex. [UniProt]
Cellular Localization	Nucleus. [UniProt]

## Images



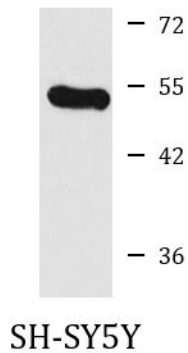
ARG58951 anti-RBBP4 / RbAp48 antibody ICC/IF image

Immunofluorescence: MCF-7 cells stained with ARG58951 anti-RBBP4 / RbAp48 antibody.



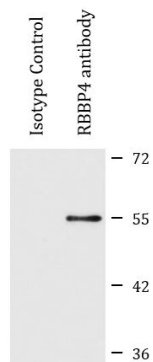
ARG58951 anti-RBBP4 / RbAp48 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung stained with ARG58951 anti-RBBP4 / RbAp48 antibody at 1:100 dilution.



ARG58951 anti-RBBP4 / RbAp48 antibody WB image

Western blot: 25 µg of SH-SY5Y cell lysate stained with ARG58951 anti-RBBP4 / RbAp48 antibody at 1:1000 dilution.



ARG58951 anti-RBBP4 / RbAp48 antibody IP image

Immunoprecipitation: 200 µg extracts of 293T cells were immunoprecipitated and stained with ARG58951 anti-RBBP4 / RbAp48 antibody at 1:1000 dilution.