ARG56228
anti-RBBP7 / RbAp46 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RBBP7 / RbAp46
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Bov, Mk, Xenopus
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RBBP7 / RbAp46
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human RBBP7 / RbAp46.
Conjugation	Un-conjugated
Alternate Names	Retinoblastoma-binding protein 7; Nucleosome-remodeling factor subunit RBAP46; Retinoblastoma-binding protein p46; RBBP-7; RbAp46; Histone acetyltransferase type B subunit 2; Histone-binding protein RBBP7

Application Instructions

Application table

Application	Dilution
FACS	1:10 - 1:50
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

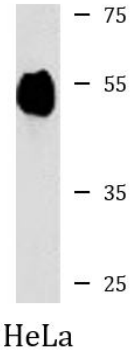
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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

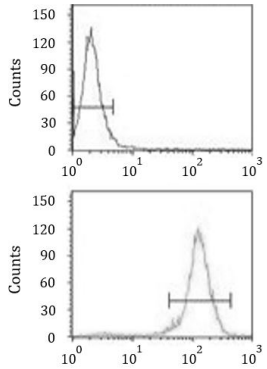
Database links	GeneID: 5931 Human Swiss-port # Q16576 Human
Gene Symbol	RBBP7
Gene Full Name	retinoblastoma binding protein 7
Background	This protein is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that 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. [provided by RefSeq, Nov 2010]
Function	Core histone-binding subunit that may target chromatin remodeling factors, histone acetyltransferases 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 type B histone acetyltransferase (HAT) complex, which is required for chromatin assembly following DNA replication; 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; and the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Nucleus.

Images



ARG56228 anti-RBBP7 / RbAp46 antibody WB image

Western blot: 35 µg of HeLa cell lysate stained with ARG56228 anti-RBBP7 / RbAp46 antibody.



ARG56228 anti-RBBP7 / RbAp46 antibody FACS image

Flow Cytometry: MDA-MB-231 cells stained with ARG56228 anti-RBBP7 / RbAp46 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.