Datasheet for ABIN5692929

anti-Retinoblastoma Binding Protein 4 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Binding Specificity:	AA 395-425, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Retinoblastoma Binding Protein 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-RbAp48 RBBP4 Antibody Picoband® (monoclonal, 9F3)
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human RbAp48, identical to the related mouse sequence.
Sequence:	EDNIMQVWQM AENIYNDEDP EGSVDPEGQG S
Clone:	9F3
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RbAp48 RBBP4 Antibody Picoband® (monoclonal, 9F3) (ABIN5692929). Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with

Product Details

	minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Target Details

Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Alternative Name:	RBBP4 (RBBP4 Products)
Background:	Synonyms: 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 Background: Histone-binding protein RBBP4 (also known as RbAp48, or NURF55) is a protein that in humans is encoded by the RBBP4 gene. 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. And 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 ly 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.
Molecular Weight:	55 kDa
Gene ID:	5928
UniProt:	Q09028
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, Stem Cell Maintenance, Chromatin Binding, Protein targeting to Nucleus

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL 1. "Entrez Gene: RBBP4 retinoblastoma-binding protein 4". 2. Barak O, Lazzaro MA, Lane WS, Speicher DW, Picketts DJ, Shiekhattar R (November 2003). "Isolation of human NURF: a regulator of Engrailed gene expression". EMBO J 22 (22): 6089-100. 3. Qian YW, Wang YC,

Application Details

	Hollingsworth RE Jr, Jones D, Ling N, Lee EY (September 1993). "A retinoblastoma-binding protein related to a negative regulator of Ras in yeast". Nature 364 (6438): 648-52.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.