

Datasheet for ABIN7127789

Recombinant anti-Retinoblastoma Binding Protein 4 antibody



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4 Images

Overview

Quantity:	100 µL
Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Retinoblastoma Binding Protein 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human RbAp48
Clone:	3E9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity-chromatography

Target Details

Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Alternative Name:	RBBP4 (RBBP4 Products)
Background:	Background: Core histone-binding subunit that may target chromatin assembly factors,

Target Details

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. Aliases: 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

UniProt: [Q09028](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#), [Stem Cell Maintenance](#), [Chromatin Binding](#), [Protein targeting to Nucleus](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

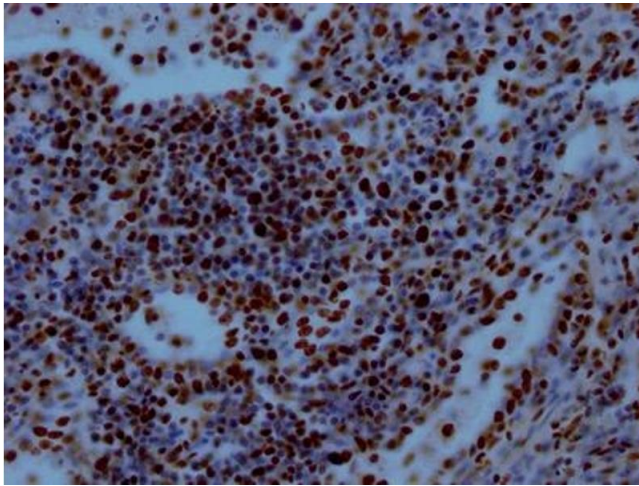
Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

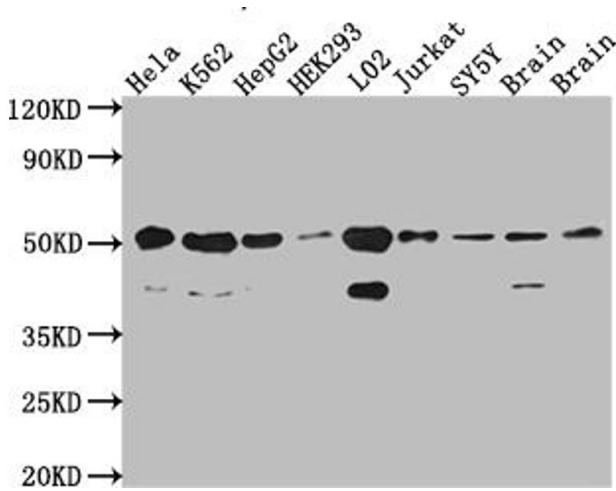
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



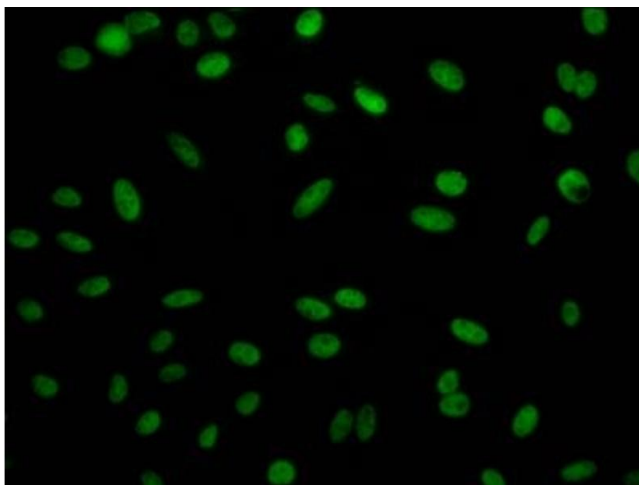
Immunohistochemistry

Image 1. IHC image of ABIN7127789 diluted at 1:100 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate, HEK293 whole cell lysate, L02 whole cell lysate, Jurkat whole cell lysate, SH-SY5Y whole cell lysate, Mouse Brain whole cell lysate, Rat Brain cell lysate All lanes: RbAp48 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 48, 48, 47, 44 kDa Observed band size: 53, 40 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HeLa Cells with ABIN7127789 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeated by 0.2 % TritonX-100, and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7127789.