

Datasheet for ABIN762872

anti-Retinoblastoma Binding Protein 4 antibody (AA 231-330) (Cy7)



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Overview

Quantity:	100 µL
Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Binding Specificity:	AA 231-330
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoblastoma Binding Protein 4 antibody is conjugated to Cy7
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RbAp48
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Alternative Name:	RbAp48 (RBBP4 Products)

Target Details

Background: Synonyms: RBBP4_HUMAN, 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.

Background: RbAp48 (Retinoblastoma-binding protein p48 or Rb-associated protein p48) is a WD repeat protein that is a core histone binding subunit common to several complexes involved in chromatin assembly, chromatin remodeling, and histone deacetylation. These complexes include Chromatin Assembly Factor 1 (CAF1), which is required for chromatin assembly following DNA replication and repair, the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and subsequent transcriptional repression, the nucleosome remodeling and histone deacetylation complex NuRD, the nucleosome remodeling factor (NURF) complex, and the PRC2 complex, which promotes repression of homeotic genes during development. RbAp48 also interacts with the retinoblastoma protein, and with SPEN/MINT and BRCA1. It is also a component of the DREAM complex, which represses cell cycle-dependent genes in quiescent cells.

Gene ID: 5928

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

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months