

Datasheet for ABIN7147234

**anti-CDK5RAP3 antibody (Regulatory Subunit)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	CDK5RAP3
Binding Specificity:	AA 42-292, Regulatory Subunit
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK5RAP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human CDK5 regulatory subunit-associated protein 3 protein (42-292AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antigen Affinity Purified

## Target Details

Target:	CDK5RAP3
Alternative Name:	CDK5RAP3 ( <a href="#">CDK5RAP3 Products</a> )
Background:	Background: Probable tumor suppressor initially identified as a CDK5R1 interactor controlling cell proliferation (PubMed:12054757, PubMed:12737517). Negatively regulates NF-kappa-B-

## Target Details

mediated gene transcription through the control of RELA phosphorylation (PubMed:17785205, PubMed:20228063). Also regulates mitotic G2/M transition checkpoint and mitotic G2 DNA damage checkpoint (PubMed:15790566, PubMed:19223857). Through its interaction with CDKN2A/ARF and MDM2 may induce MDM2-dependent p53/TP53 ubiquitination, stabilization and activation in the nucleus, thereby promoting G1 cell cycle arrest and inhibition of cell proliferation (PubMed:16173922). May play a role in the unfolded protein response, mediating the ufmylation of multiple proteins in response to endoplasmic reticulum stress (PubMed:23152784). May also play a role in the rupture of the nuclear envelope during apoptosis (PubMed:23478299). May regulate MAPK14 activity by regulating its dephosphorylation by PPM1D/WIP1 (PubMed:21283629).

Aliases: C53 antibody, CDK5 activator binding protein C53 antibody, CDK5 activator-binding protein C53 antibody, CDK5 regulatory subunit associated protein 3 antibody, CDK5 regulatory subunit-associated protein 3 antibody, Cdk5rap3 antibody, CK5P3\_HUMAN antibody, HSF 27 antibody, HSF27 antibody, IC53 antibody, Ischemic heart CDK5 activator binding protein C53 antibody, LXXLL/leucine zipper containing ARFbinding protein antibody, LZAP antibody, MST016 antibody, OK/SW cl.114 antibody, PP1553 antibody, Protein HSF-27 antibody

UniProt: [Q96JB5](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

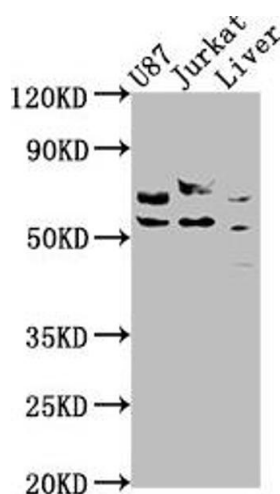
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

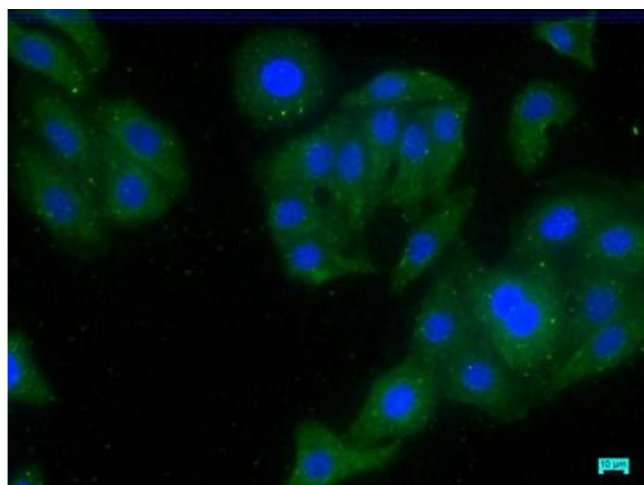
Storage: -20 °C,-80 °C

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



### Western Blotting

**Image 1.** Western Blot Positive WB detected in: U87 whole cell lysate, Jurkat whole cell lysate, Rat liver tissue All lanes: CDK5RAP3 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 57, 47, 32, 60 kDa Observed band size: 57 kDa



### Immunofluorescence

**Image 2.** Immunofluorescence staining of HepG2 cells with ABIN7147234 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).