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## Datasheet for ABIN7112544

# anti-CDK5RAP3 antibody



#### Overview

Quantity:	100 μg
Target:	CDK5RAP3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK5RAP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

#### **Product Details**

Immunogen:	CDK5 regulatory subunit associated protein 3
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### **Target Details**

Target:	CDK5RAP3
Alternative Name:	CDK5RAP3 (CDK5RAP3 Products)
Background:	Synonyms:IC53, Background:Probable tumor suppressor initially identified as a CDK5R1 interactor controlling cell proliferation(PubMed:12054757, PubMed:12737517). Negatively
	regulates NF-kappa-B-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). (Microbial infection) May be negatively regulated by hepatitis B virus large envelope protein mutant pre-s2 to promote mitotic entry.

Molecular Weight: 65 kDa

Gene ID: 80279

UniProt: Q96JB5

#### **Application Details**

Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
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
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months