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# anti-CDK5RAP2 antibody (Regulatory Subunit)

3 Images



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#### Overview

| Quantity:            | 100 μg   |
|----------------------|--|
| Target:              | CDK5RAP2   |
| Binding Specificity: | AA 996-1111, Regulatory Subunit                            |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This CDK5RAP2 antibody is un-conjugated                    |
| Application:         | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |
|                      |  |
| Product Details      |  |

| Immunogen:        | Recombinant Human CDK5 regulatory subunit-associated protein 2 protein (996-1111AA) |
|-------------------|---|
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified  |

# Target Details

| Target:           | CDK5RAP2   |
|-------------------|--|
| Alternative Name: | CDK5RAP2 (CDK5RAP2 Products)   |
| Background:       | Background: Potential regulator of CDK5 activity via its interaction with CDK5R1. Negative |
|                   | regulator of centriole disengagement (licensing) which maintains centriole engagement and  |

cohesion. Involved in regulation of mitotic spindle orientation (By similarity). Plays a role in the spindle checkpoint activation by acting as a transcriptional regulator of both BUBR1 and MAD2 promoter. Together with MAPRE1, it may promote microtubule polymerization, bundle formation, growth and dynamics at the plus ends. Regulates centrosomal maturation by recruitment of a gamma-tubulin ring complex onto centrosomes (PubMed:26485573). Aliases: C48 antibody, CDK5 activator-binding protein C48 antibody, CDK5 regulatory subunit associated protein 2 antibody, CDK5 regulatory subunit-associated protein 2 antibody, CDK5RAP2 antibody, centrosomal protein 215 kDa antibody, Centrosome-associated protein 215 antibody, CK5P2\_HUMAN antibody, MCPH3 antibody

UniProt:

Q96SN8

Pathways:

M Phase, SARS-CoV-2 Protein Interactome

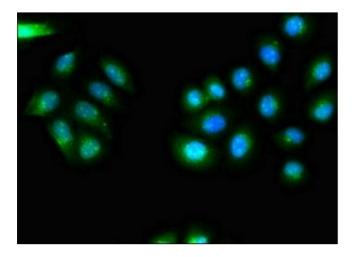
# **Application Details**

| Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200, |  |
|---|--|
|---|--|

Restrictions: For Research Use only

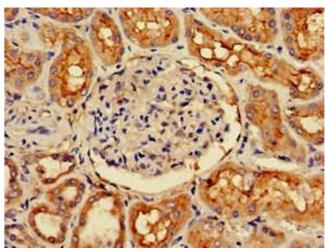
### Handling

| Format:            | Liquid  |
|--------------------|---|
| Buffer:            | Preservative: 0.03 % Proclin 300<br>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.   |



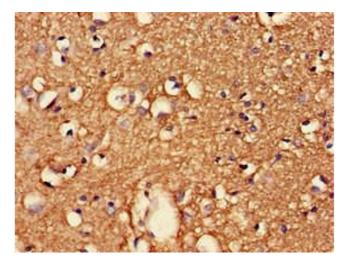
#### **Immunofluorescence**

**Image 1.** Immunofluorescent analysis of A549 cells using ABIN7147230 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### **Immunohistochemistry**

**Image 2.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7147230 at dilution of 1:100



## **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7147230 at dilution of 1:100