

# CDK5RAP3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CDK5RAP3.

Catalog # AT1477a

## Product Information

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|--------------------------|--------------------------|
| <b>Application</b>       | WB, IHC, IF, E           |
| <b>Primary Accession</b> | <a href="#">Q96JB5</a>   |
| <b>Other Accession</b>   | <a href="#">BC009957</a> |
| <b>Reactivity</b>        | Human                    |
| <b>Host</b>              | mouse                    |
| <b>Clonality</b>         | monoclonal               |
| <b>Isotype</b>           | IgG1 Kappa               |
| <b>Clone Names</b>       | 1G4                      |
| <b>Calculated MW</b>     | 56921                    |

## Additional Information

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|---------------------------|--|
| <b>Gene ID</b>            | 80279  |
| <b>Other Names</b>        | CDK5 regulatory subunit-associated protein 3, CDK5 activator-binding protein C53, Protein HSF-27, CDK5RAP3, IC53       |
| <b>Target/Specificity</b> | CDK5RAP3 (AAH09957, 1 a.a. ~ 506 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Dilution</b>           | WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A  |
| <b>Format</b>             | Clear, colorless solution in phosphate buffered saline, pH 7.2 .   |
| <b>Storage</b>            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |
| <b>Precautions</b>        | CDK5RAP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

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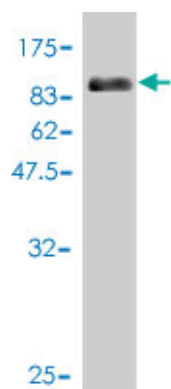
Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is composed of a catalytic subunit, CDK5, and an activating subunit, p25NCK5A. The protein encoded by this gene binds to p25NCK5A and therefore may be involved in neuronal differentiation. The encoded protein, which may be a substrate of neuronal CDC2-like kinase, has also been found in vascular endothelial cells, where it mediates cell proliferation.

## References

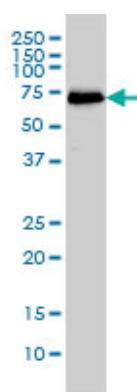
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1. Suppression of the novel ER protein Maxer by mutant ataxin-1 in Bergman glia contributes to

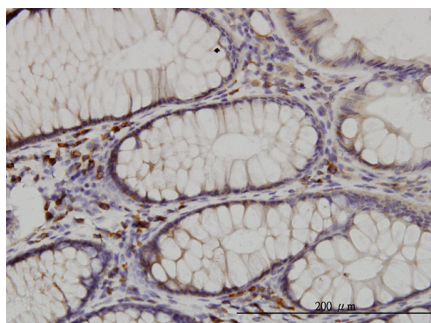
## Images



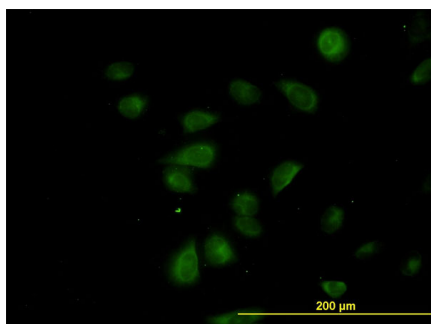
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.51 KDa) .



CDK5RAP3 monoclonal antibody (M01), clone 1G4  
Western Blot analysis of CDK5RAP3 expression in A-431 (Cat # AT1477a )

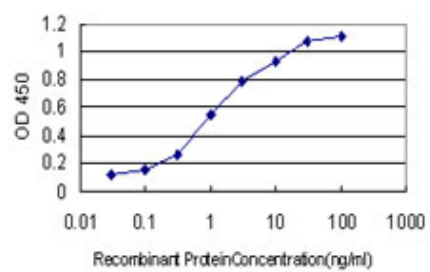


Immunoperoxidase of monoclonal antibody to CDK5RAP3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to CDK5RAP3 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged CDK5RAP3 is approximately 0.03ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.