

### CDK5RAP3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CDK5RAP3. Catalog # AT1477a

### **Specification**

## CDK5RAP3 Antibody (monoclonal) (M01) - Product Information

**Application** IF, WB, IHC, E **Primary Accession 096IB5** BC009957 Other Accession Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 56921

### CDK5RAP3 Antibody (monoclonal) (M01) - Additional Information

#### **Gene ID 80279**

#### **Other Names**

CDK5 regulatory subunit-associated protein 3, CDK5 activator-binding protein C53, Protein HSF-27, CDK5RAP3, IC53

#### Target/Specificity

CDK5RAP3 (AAH09957, 1 a.a.  $\sim$  506 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### **Dilution**

WB~~1:500~1000

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2.

#### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### **Precautions**

CDK5RAP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

#### CDK5RAP3 Antibody (monoclonal) (M01) - Protocols

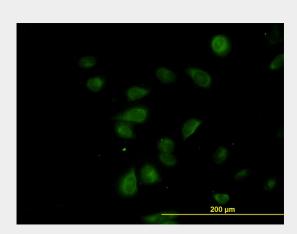
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

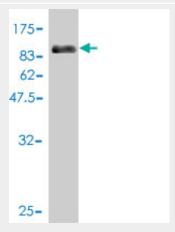


- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

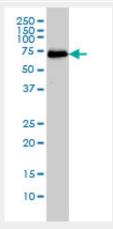
## CDK5RAP3 Antibody (monoclonal) (M01) - Images



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



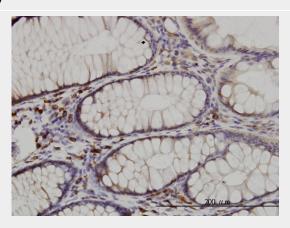
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.51 KDa).



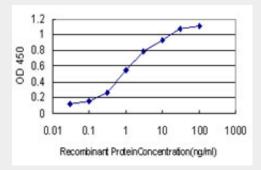
CDK5RAP3 monoclonal antibody (M01), clone 1G4 Western Blot analysis of CDK5RAP3 expression



# in A-431 ( (Cat # AT1477a )



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



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

# CDK5RAP3 Antibody (monoclonal) (M01) - Background

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.

## CDK5RAP3 Antibody (monoclonal) (M01) - References

1.Suppression of the novel ER protein Maxer by mutant ataxin-1 in Bergman glia contributes to non-cell-autonomous toxicity. Shiwaku H, Yoshimura N, Tamura T, Sone M, Ogishima S, Watase K, Tagawa K, Okazawa H.EMBO J. 2010 Jun 8. [Epub ahead of print]