10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDK5RAP3 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q96JB5
Other Accession	BC009957
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1G4
Calculated MW	56921

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. ~ 506 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
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.

Background

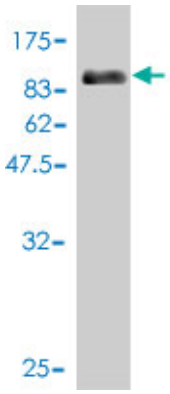
Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is composed of a catalytic subunit, CDK5, and an activating subunit, p25NCK5A. The protein encoded by this gene binds to p25NCK5A and therefore may be involved in neuronal differentiation. The encoded protein,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

References

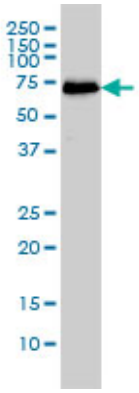
1.Suppression of the novel ER protein Maxer by mutant ataxin-1 in Bergman glia contributes to

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]

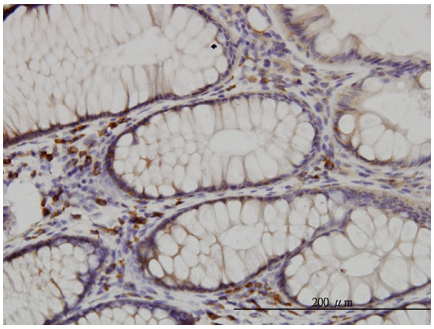
Images



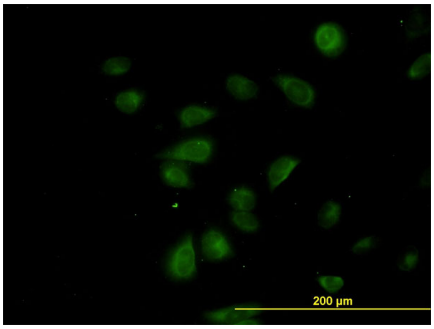
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (81.51 KDa) .



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

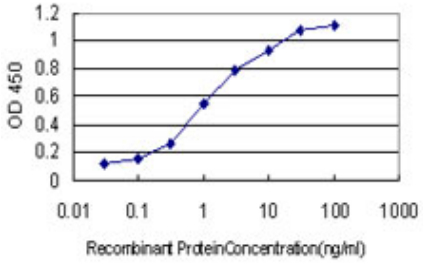


Immunoperoxidase of monoclonal antibody to CDK5RAP3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



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'.