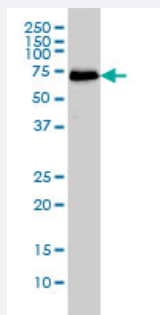


CDK5RAP3 monoclonal antibody (M01), clone 1G4

Catalog # H00080279-M01

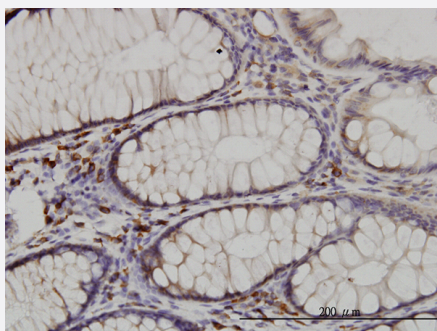
Size 100 ug

Applications



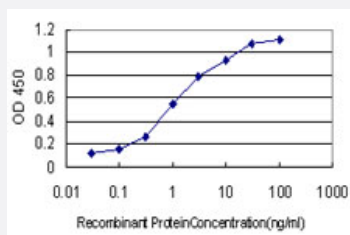
Western Blot (Cell lysate)

CDK5RAP3 monoclonal antibody (M01), clone 1G4 Western Blot analysis of CDK5RAP3 expression in A-431 (Cat # L015V1).



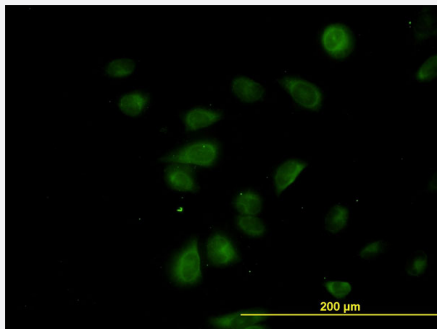
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



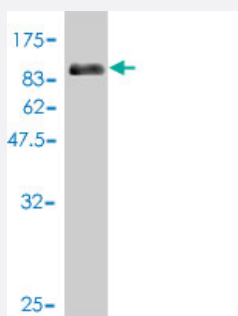
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (81.51 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CDK5RAP3.
Immunogen	CDK5RAP3 (AAH09957, 1 a.a. ~ 506 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEDHQHVPIDIQTSKLLDWLVDRRHCSLKWQSLVLTIREKINAAIQDMPESSEEIAQLLSGSYHYFHC LRILDLLKGTEASTKNIFGRYSSQRMKDWQEIALYEKDNLYVELSSLLVRNVNYEIPSLKKQIAKCQ QLQQEYSRKEEECQAGAAEMREQFYHSCKQYGITGENVRGELLALVKDLPSQLAEIGAAAQQSL GEAIDVYQASVGFVCESPTQVLPMLRFVQKRGNSTVYEWRTGTEPSVVERPHLEELPEQVAED AIDWGDGFGVEAVSEGTDSGISAEAAGIDWGIFPESDSKDPGGDGIDWGDDAVALQITVLEAGTQA PEGVARGPDALTLEYYTETRNQFLDELMELEIFLAQRAVELSEEADVLSVSQFQLAPAILQGQTK KMTVMVSVLEDLIGKLTSLQLQHLMILASPRYVDRVTEFLQQKLKQSLLALKKELMVQKQKEAL EEQAALPKLDLLEKTKELQKLEADISKRYSGRPVNLMTSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.51 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

CDK5RAP3 monoclonal antibody (M01), clone 1G4 Western Blot analysis of CDK5RAP3 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — CDK5RAP3

Entrez GeneID[80279](#)**GeneBank Accession#**[BC009957](#)**Protein Accession#**[AAH09957](#)**Gene Name**

CDK5RAP3

Gene Alias

C53, HSF-27, IC53, LZAP, MST016, OK/SW-cl.114

Gene Description	CDK5 regulatory subunit associated protein 3
Omim ID	608202
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	LXXLL/leucine-zipper-containing ARFbinding protein ischemic heart CDK5 activator-binding protein C53

Publication Reference

- [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.

The EMBO Journal 2010 Jul; 29(14):2446.

Application: IF, WB-Tr, Human, HeLa cells