

Product Datasheet

CDK5RAP3 Antibody (1G4) - Azide and BSA Free H00080279-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00080279-M01

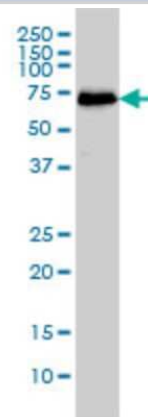
CDK5RAP3 Antibody (1G4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	80279
Gene Symbol	CDK5RAP3
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	CDK5RAP3 - CDK5 regulatory subunit associated protein 3
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. MEDHQHVPIDIQTSKLLDWLVDRRHCSLKWQSLVLTIREKINAAIQDMPESSEEIA QLLSGSYIHYFHCLRILDLLKGTEASTKNIFGRYSSQRMKDWQEIIALYEKDNTY LVELSSLLVRNVNYEIPSLKKQIAKCQQLQQEYSRKEEECCAGAAEMREQFYH SCKQYGITGENVRGELLALVKDLPSQLAEIGAAAQQSLGEAIDVYQASVGFVCE SPTEQVLPMLRFVQKRGNSTVYEWRTGTEPSVVERPHLEELPEQVAEDAIDW GDFGVEAVSEGTDSGISAEAAGIDWGIFPESDSKDPGGDGIDWGDDAVALQIT VLEAGTQAPEGVARGPDALTLEYTETRNQFLDELMELEIFLAQRAVELSEED VLSVSQFQLAPAILQQGTKEKMTVMVSVLEDLIGKLTSLQLQHLMILASPRYVD RVTEFLQQKLKQSLLALKKELMVQKQQEAL EEQA ALEPKLDLLLEKTKELQKL IEADISKRYSGRPVNLMGTSL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

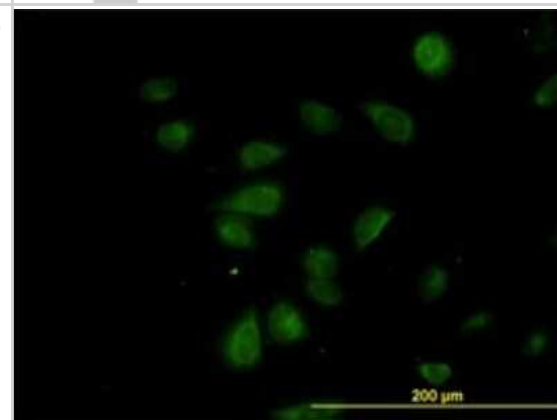


Images

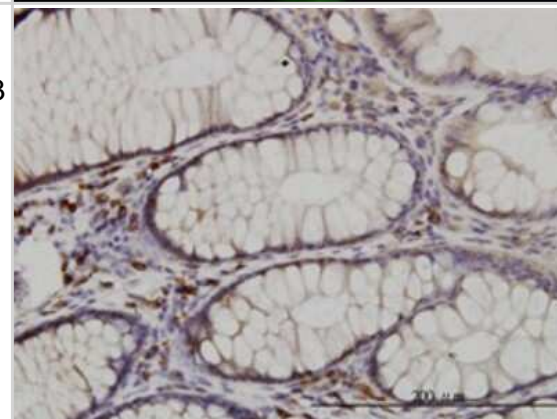
Western Blot: CDK5RAP3 Antibody (1G4) [H00080279-M01] - CDK5RAP3 monoclonal antibody (M01), clone 1G4 Analysis of CDK5RAP3 expression in A-431.



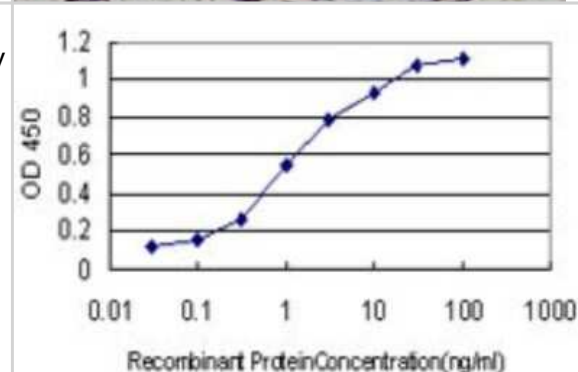
Immunocytochemistry/Immunofluorescence: CDK5RAP3 Antibody (1G4) [H00080279-M01] - Analysis of monoclonal antibody to CDK5RAP3 on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: CDK5RAP3 Antibody (1G4) [H00080279-M01] - Analysis of monoclonal antibody to CDK5RAP3 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



Sandwich ELISA: CDK5RAP3 Antibody (1G4) [H00080279-M01] - Detection limit for recombinant GST tagged CDK5RAP3 is approximately 0.03ng/ml as a capture antibody.



Publications

Ishimura R, Ito S, Mao G et al. Mechanistic insights into the roles of the UFM1 E3 ligase complex in ufmylation and ribosome-associated protein quality control Science Advances 2023-08-18 [PMID: 37595036] (Western Blot, Block/Neutralize)

Ishimura R, Ito S, Mao G et al. Mechanistic insights into the UFM1 E3 ligase complex in ufmylation and ribosome-associated protein quality control bioRxiv 2023-02-17 (WB, Human)

Ishimura R, El-Gowily AH, Noshiro D et al. The UFM1 system regulates ER-phagy through the ufmylation of CYB5R3 Nature communications 2022-12-21 [PMID: 36543799] (WB, Human)

Details:

Dilution used in WB 1:500

Ishimura R, El-Gowily AH, Noshiro D et al. The UFM1 system regulates ER-phagy through the ufmylation of CYB5R3 Nature communications 2022-12-21 [PMID: 36543799] (WB, Human)

Details:

Dilution used in WB 1:500

Shiwaku H, Yoshimura N, Tamura T et al. Suppression of the novel ER protein Maxer by mutant ataxin-1 in Bergman glia contributes to non-cell-autonomous toxicity. EMBO J 29(14):2446-60. 2010-07-21 [PMID: 20531390]





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Products Related to H00080279-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-52073-0.1mg	Recombinant Human CDK5RAP3 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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