

# Product Datasheet

## AKAP9 Antibody (17G10) NB100-74351

Unit Size: 100ug

Store at -20C. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

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**NB100-74351**

AKAP9 Antibody (17G10)

Product Information	
Unit Size	100ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	17G10
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS with 1 mg/ml BSA

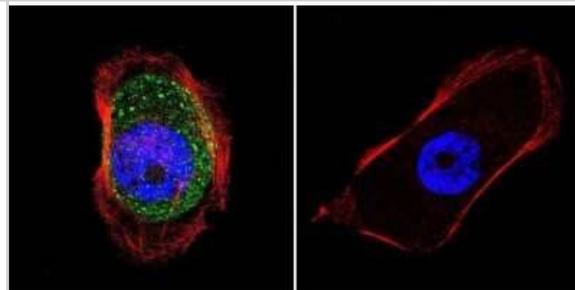
Product Description	
Host	Mouse
Gene ID	10142
Gene Symbol	AKAP9
Species	Human, Mouse
Specificity/Sensitivity	AKAP450 (17G10)
Immunogen	Synthetic peptide corresponding to residues Q(31) F R Q R K A Q S D G Q S P S(45) of human AKAP450.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 2 ug/mL, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 4 ug/mL, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:100

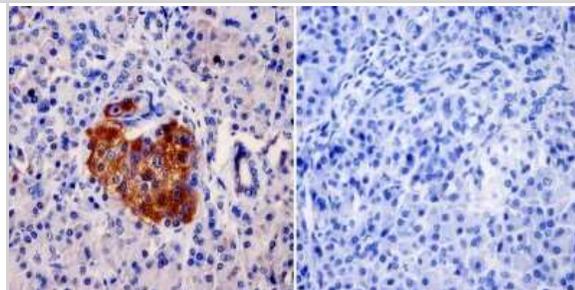


## Images

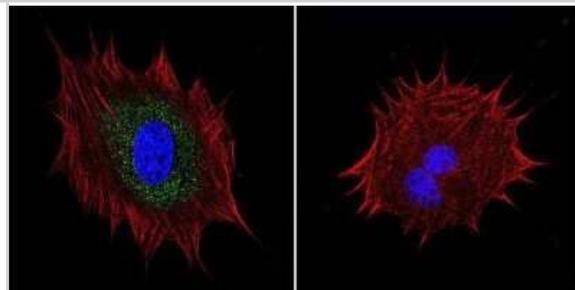
Immunocytochemistry/Immunofluorescence: AKAP9 Antibody (17G10) [NB100-74351] - Analysis of AKAP450 in A431 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a AKAP450 monoclonal antibody at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. AKAP450 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



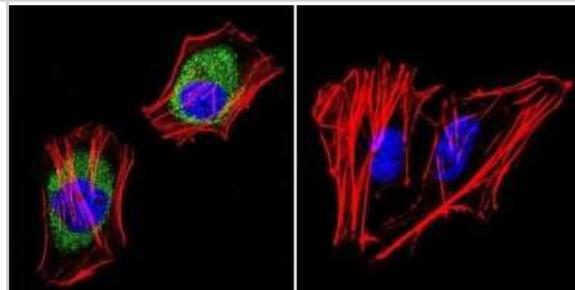
Immunohistochemistry-Paraffin: AKAP9 Antibody (17G10) [NB100-74351] - Normal biopsies of deparaffinized Human pancreas tissue at a dilution of 1:20.



Immunocytochemistry/Immunofluorescence: AKAP9 Antibody (17G10) [NB100-74351] - Analysis of AKAP450 in NIH-3T3 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a AKAP450 monoclonal antibody at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. AKAP450 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunocytochemistry/Immunofluorescence: AKAP9 Antibody (17G10) [NB100-74351] - Analysis of AKAP450 in HeLa cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a AKAP450 monoclonal antibody at a dilution of 1:20 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. AKAP450 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



## Publications

Gorshkov K, Mehta S, Ramamurthy S et al. AKAP-mediated feedback control of cAMP gradients in developing hippocampal neurons. Nat. Chem. Biol. 2017-02-13 [PMID: 28192412] (ICC/IF)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-74351**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
NBP1-89166PEP	AKAP9 Recombinant Protein Antigen

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### **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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