

# Product Datasheet

## PI 3-Kinase p85 alpha Antibody (6G10) - BSA Free NBP2-22212

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-22212](http://www.novusbio.com/NBP2-22212)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-22212](http://www.novusbio.com/reviews/destination/NBP2-22212)



**NBP2-22212**

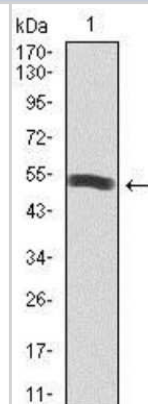
PI 3-Kinase p85 alpha Antibody (6G10) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6G10
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	83.6 kDa
Product Description	
Host	Mouse
Gene ID	5295
Gene Symbol	PIK3R1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human PI 3-Kinase p85 alpha (AA: 159-388) expressed in E. Coli.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

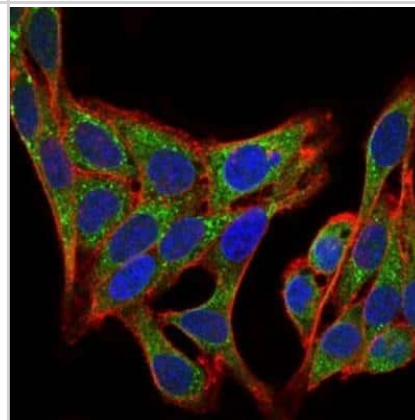


## Images

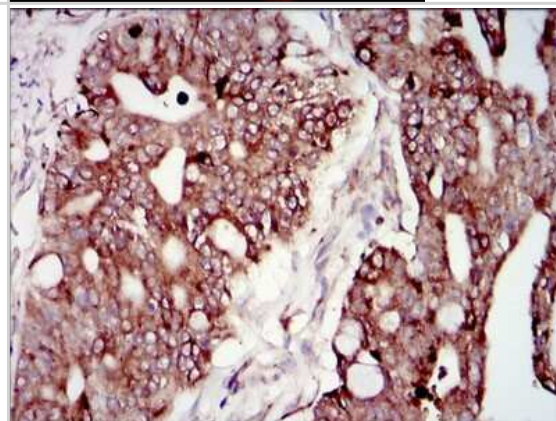
Western Blot: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis using PI 3 Kinase p85 alpha mAb against human PI 3 Kinase p85 alpha recombinant protein. (Expected MW is 53.4 kDa)



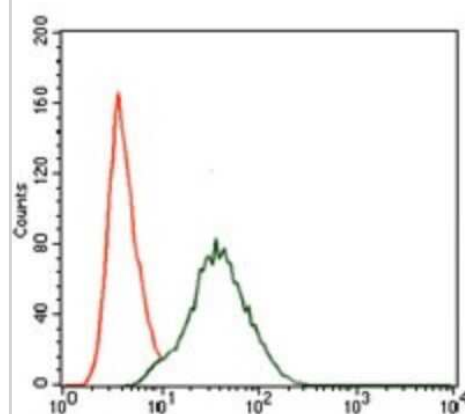
Immunocytochemistry/Immunofluorescence: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis of HepG2 cells using PI 3 Kinase p85 alpha mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



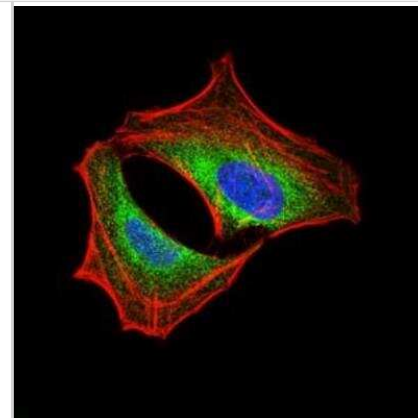
Immunohistochemistry-Paraffin: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis of rectum cancer tissues using PI 3 Kinase p85 alpha mouse mAb with DAB staining.



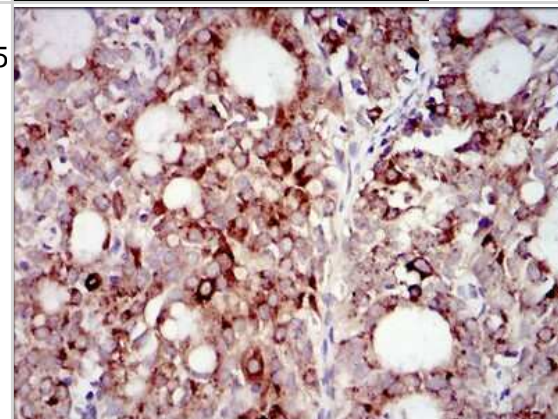
Flow Cytometry: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis of NIH3T3 cells using PI 3 Kinase p85 alpha mouse mAb (green) and negative control (red).



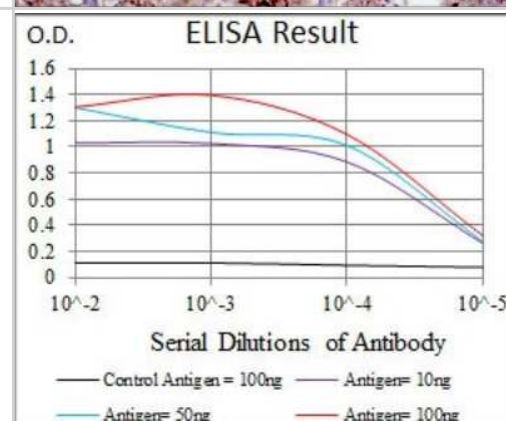
Immunocytochemistry/Immunofluorescence: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis of HeLa cells using PI 3 Kinase p85 alpha mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry-Paraffin: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Analysis of cervical cancer tissues using PI 3 Kinase p85 alpha mouse mAb with DAB staining.



ELISA: PI 3-Kinase p85 alpha Antibody (6G10) [NBP2-22212] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng)



## Publications

Du C, Zhang T, Xiao X et al. Protease-Activated Receptor-2 promotes kidney tubular epithelial inflammation by inhibiting autophagy via the PI3K/Akt/mTOR signalling pathway Biochem. J. 2017-07-10 [PMID: 28694352] (Human)



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-22212**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00005295-P01-10ug	Recombinant Human PI 3-Kinase p85 alpha GST (N-Term) 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-22212](http://www.novusbio.com/reviews/submit/NBP2-22212)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

