

# Product Datasheet

## PIK3CA Antibody - BSA Free NBP2-19804

Unit Size: 0.1 ml

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

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



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

### Publications: 4

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**NBP2-19804**

PIK3CA Antibody - BSA Free

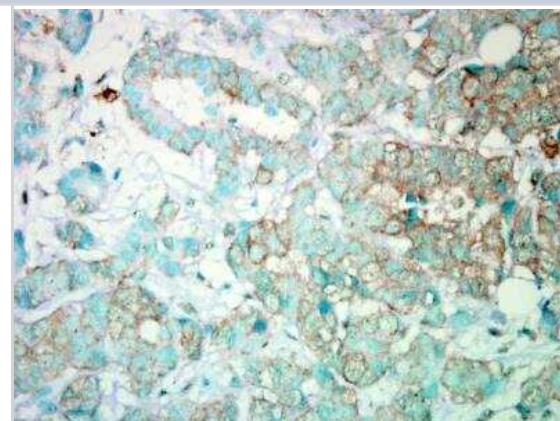
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	124 kDa

Product Description	
Description	Novus Biologicals Rabbit PIK3CA Antibody - BSA Free (NBP2-19804) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PIK3CA Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5290
Gene Symbol	PIK3CA
Species	Human, Mouse
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human PIK3CA. The exact sequence is proprietary.

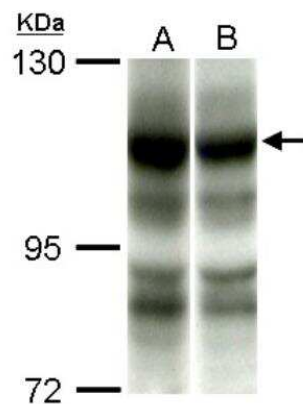
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

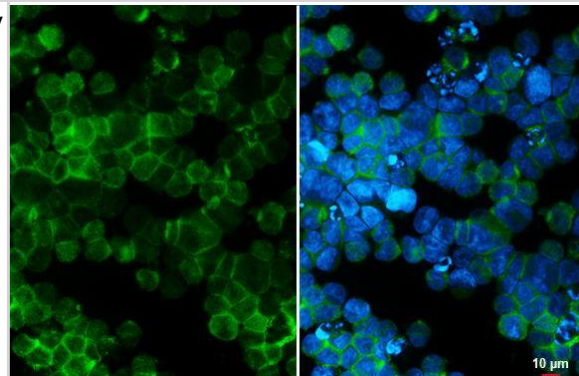
Immunohistochemistry-Paraffin: PIK3CA Antibody [NBP2-19804] - Human Breast Cancer, using PI3 kinase p110 alpha antibody. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



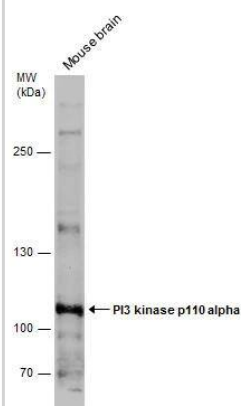
Western Blot: PIK3CA Antibody [NBP2-19804] - PIK3CA Antibody  
 Sample (50 ug of whole cell lysate) A: C2C12 B: C2C12+AEA10mM  
 NBP2-19804 diluted at 1:1000.



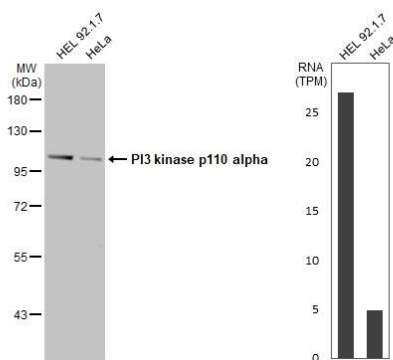
PI3 kinase p110 alpha antibody detects PI3 kinase p110 alpha protein by immunofluorescent analysis. Sample: HEL 92.1.7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PI3 kinase p110 alpha stained by PI3 kinase p110 alpha antibody (NBP2-19804) diluted at 1:500. Blue: Fluoroshield with DAPI .



Mouse tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with PI3 kinase p110 alpha antibody (NBP2-19804) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PI3 kinase p110 alpha antibody (NBP2-19804) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



## Publications

Chen YH, Wu JX, Yang SF, Hsiao YH. Synergistic Combination of Luteolin and Asiatic Acid on Cervical Cancer In Vitro and In Vivo Cancers (Basel) 2023-01-16 [PMID: 36672499] (Western Blot, Human)

Chen YH, Wu JX, Yang SF et al. Metformin Potentiates the Anticancer Effect of Everolimus on Cervical Cancer In Vitro and In Vivo Cancers 2021-09-14 [PMID: 34572837] (WB, Mouse)

Chen YH, Huang YC, Yang SF et al. Pitavastatin and metformin synergistically activate apoptosis and autophagy in pancreatic cancer cells Environmental toxicology 2021-04-22 [PMID: 33886150]

Chen YH, Yang SF, Yang CK et al. Metformin induces apoptosis and inhibits migration by activating the AMPK/p53 axis and suppressing PI3K/AKT signaling in human cervical cancer cells Mol Med Rep 2021-01-01 [PMID: 33236135] (WB, Human)

### Details:

Western blot analysis performed on CaSki, HeLa and C33A human cell lines.





### **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 NBP2-19804**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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