

# Product Datasheet

## PI4KB/PI4KIII beta Antibody - BSA Free NBP2-12814

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP2-12814**

PI4KB/PI4KIII beta Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

**Product Description**

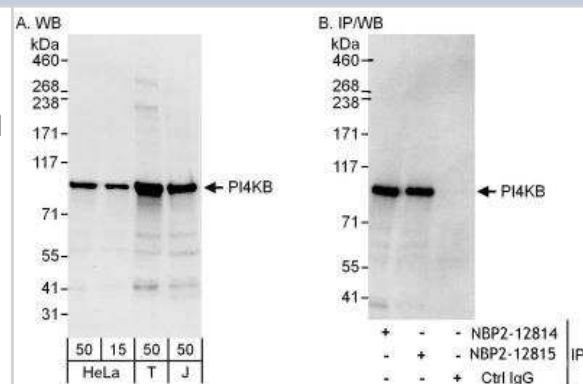
<b>Host</b>	Rabbit
<b>Gene ID</b>	5298
<b>Gene Symbol</b>	PI4KB
<b>Species</b>	Human
<b>Immunogen</b>	The immunogen this antibody was made to, maps to a region between residue 1 and 50 of human Phosphatidylinositol 4-Kinase, Catalytic, beta using the numbering given in entry CAA09495.1 (GeneID 5298).

**Product Application Details**

<b>Applications</b>	Western Blot, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000-1:10000, Immunoprecipitation 2-10 ug/mg lysate

**Images**

Immunoprecipitation: PI4KB/PI4KIII beta Antibody [NBP2-12814] -  
 Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 ug) and Jurkat (J; 50 ug) cells.  
 Antibodies: Affinity purified rabbit anti-PI4KB antibody NBP2-12814 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. PI4KB was also immunoprecipitated by rabbit anti-PI4KB antibody NBP2-12815, which recognizes a downstream epitope.  
 Detection: Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).



## Publications

Giulia Mana, Fabiana Clapero, Emiliano Panieri, Valentina Panero, Ralph T Böttcher, Hui-Yuan Tseng, Federico Saltarin, Elena Astanina, Katarzyna I Wolanska, Mark R Morgan, Martin J Humphries, Massimo M Santoro, Guido Serini, Donatella Valdembri PPFIA1 drives active  $\beta_5\gamma_1$  integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. *Nature Communications*, 2016-11-23;0(0):2041-1723. 2016-11-23 [PMID: 27876801]

Shi L, Tan X, Liu X et al. Addiction to Golgi-resident PI4P synthesis in chromosome 1q21.3-amplified lung adenocarcinoma cells *Proceedings of the National Academy of Sciences of the United States of America* 2021-06-22 [PMID: 34155143]

Su Y, Wang P, Shen H, Sun Z. Protein kinase D1-mediated classical protein secretory pathway regulates oncogene Ras-induced senescent response. *J. Cell. Sci.* 2018-02-02 [PMID: 29420297] (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 NBP2-12814**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005298-P01-10ug	Recombinant Human PI4KB/PI4KIII beta GST (N-Term) Protein

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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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