

# Product Datasheet

## IBTK Antibody - BSA Free NBP1-88512

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: 3

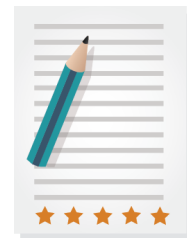
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-88512](http://www.novusbio.com/NBP1-88512)

Updated 9/9/2025 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/NBP1-88512](http://www.novusbio.com/reviews/destination/NBP1-88512)



**NBP1-88512**

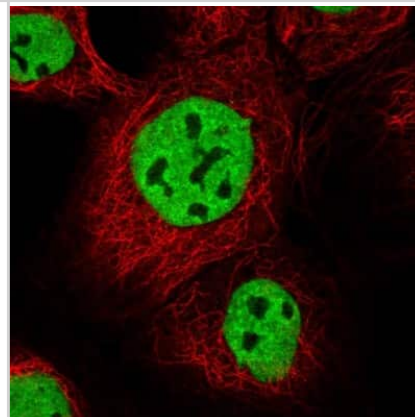
IBTK Antibody - BSA Free

| 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                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                       |
| Clonality                   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preservative                | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity                      | Immunogen affinity purified                                                                                                                                                                                                                                                                                                                                                                                  |
| Buffer                      | PBS (pH 7.2) and 40% Glycerol                                                                                                                                                                                                                                                                                                                                                                                |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Description                 | Novus Biologicals Rabbit IBTK Antibody - BSA Free (NBP1-88512) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western and IP. Anti-IBTK Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                                        |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID                     | 25998                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Symbol                 | IBTK                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species                     | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity Notes            | Mouse reactivity reported in scientific literature (PMID: 30975981).                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                   | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>LKEICEVALTEKLTAKNAAMLLEFAAMYSKQLKLSCLQFIGLNMAALLEARS<br>LDVLSGVLKDLSEFYRKMIKAMDRRVITPYQDGPDISYLEVEDGDIFLKEEINMEQ<br>NHSETMFKKAK                                                                                                                                                                                     |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications                | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation                                                                                                                                                                                                                                                              |
| Recommended Dilutions       | Western Blot Reported in scientific literature (PMID: 28710282). , Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reported in scientific literature (PMID: 28710282). , Immunohistochemistry-Paraffin 1:50 - 1:200                                                                                                        |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.<br><br>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.<br>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in U-251, separated by Size, antibody dilution of 1:20. Separated by Size-Wes, Sally Sue/Peggy Sue. |

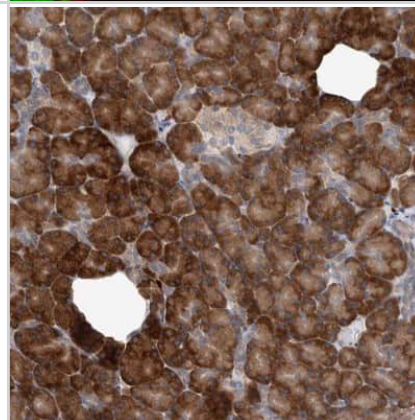


## Images

Immunocytochemistry/Immunofluorescence: IBTK Antibody [NBP1-88512] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



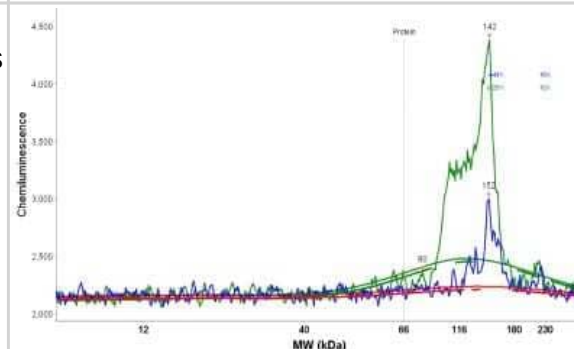
Immunohistochemistry-Paraffin: IBTK Antibody [NBP1-88512] - Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



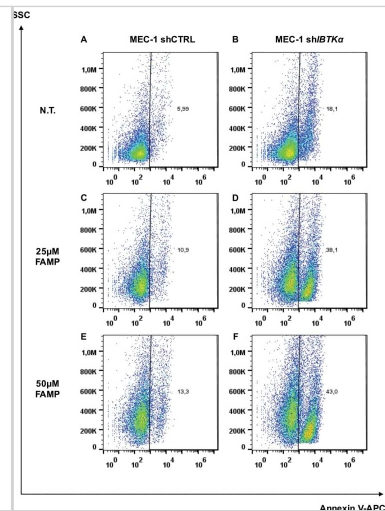
Simple Western: IBTK Antibody [NBP1-88512] - Simple Western lane view shows a specific band for IBTK in 0.2 mg/ml of U-251 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: IBTK Antibody [NBP1-88512] - Electropherogram image(s) of corresponding Simple Western lane view. IBTK antibody was used at 1:20 dilution on U-251 lysate(s).



Flow Cytometry: IBTK Antibody [NBP1-88512] - IBTK $\alpha$  RNA interference increases spontaneous & fludarabine-induced apoptosis in MEC-1 CLL cells MEC-1 cells were transduced with TurboGFP-shCTRL or TurboGFP-shIBTK $\alpha$  (Sigma-Aldrich), & after 5 days were left untreated (N.T.) a, b or 72 h-treated with Fludarabine at 25  $\mu$ M c & d or 50  $\mu$ M e, f. Then, cells were collected, stained with Annexin-V-APC & analysed by flow cytometry. Binding of Annexin-V-APC was measured for GFP-positive cells, as positive control of transduction. A representative experiment of three independent experiments is shown. Statistically significant differences were assessed using Mann-Whitney test (GraphPad Prism 6), as follows: a vs. bp = 0.0043; c vs. dp = 0.0002; e vs. fp = 0.0001 Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41419-017-0026-3>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Vecchio, E;Golino, G;Pisano, A;Albano, F;Falcone, C;Ceglia, S;Iaccino, E;Mimmi, S;Fiume, G;Giurato, G;Britti, D;Scala, G;Quinto, I; IBTK contributes to B-cell lymphomagenesis in E mu-myc transgenic mice conferring resistance to apoptosis Cell Death Dis 2019-04-11 [PMID: 30975981] (ICC/IF, Mouse)

Albano F, Chiurazzi F, Mimmi S et al. The expression of inhibitor of bruton's tyrosine kinase gene is progressively up regulated in the clinical course of chronic lymphocytic leukaemia conferring resistance to apoptosis Cell Death Dis 2018-01-09 [PMID: 29317636] (ICC/IF, Human)

Willy JA, Young SK, Mosley AL et al. Function of Inhibitor of Brutons Tyrosine Kinase Isoform alpha (IBTKalpha) in Nonalcoholic Steatohepatitis links Autophagy and the Unfolded Protein Response J. Biol. Chem. 2017-07-14 [PMID: 28710282] (WB, IP, 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 NBP1-88512**

---

|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-88512PEP | IBTK Recombinant Protein Antigen                    |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

---

### **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/NBP1-88512](http://www.novusbio.com/reviews/submit/NBP1-88512)

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

