

# Product Datasheet

## PIM1 Antibody (ST0513) NBP2-67528

Unit Size: 100 ul

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: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-67528](http://www.novusbio.com/NBP2-67528)

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/NBP2-67528](http://www.novusbio.com/reviews/destination/NBP2-67528)



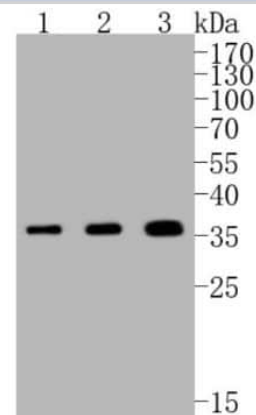
**NBP2-67528**

PIM1 Antibody (ST0513)

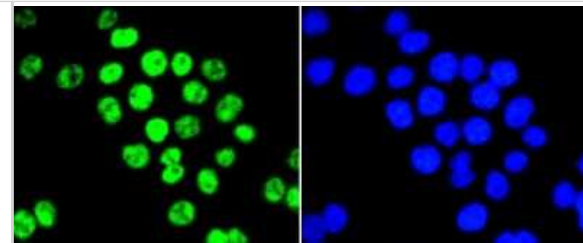
| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ul   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | ST0513   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG  |
| Purity                      | Protein A purified   |
| Buffer                      | TBS (pH7.4), 0.05% BSA, 40% Glycerol   |
| Product Description         |  |
| Host                        | Rabbit   |
| Gene ID                     | 5292   |
| Gene Symbol                 | PIM1   |
| Species                     | Human, Mouse   |
| Immunogen                   | Synthetic peptide within human PIM1 aa 20-60. (SwissProt: P11309 Human; SwissProt: P06803 Mouse)   |
| Product Application Details |  |
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin                                    |
| Recommended Dilutions       | Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:400, Immunohistochemistry-Frozen |
| Application Notes           | Use in IHC-Fr reported in scientific literature (PMID:35896115).   |

**Images**

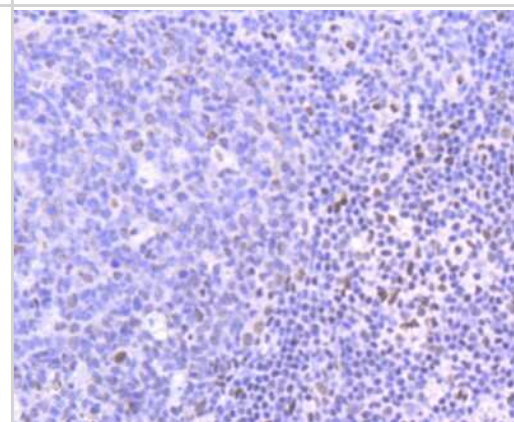
Western Blot: PIM1 Antibody (ST0513) [NBP2-67528] - Analysis of PIM1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody ( 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: BT-20 cell lysate Lane 2: HepG2 cell lysate Lane 3: SW480 cell lysate



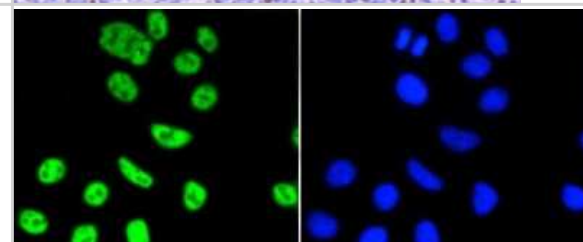
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



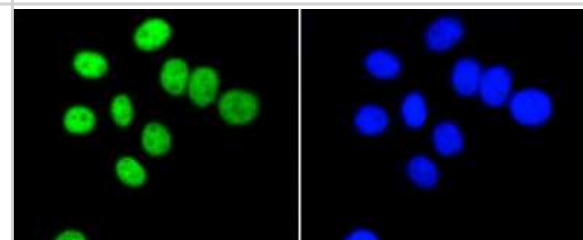
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528] - Analysis of human tonsil tissue using anti-PIM1 antibody. Counter stained with hematoxylin.



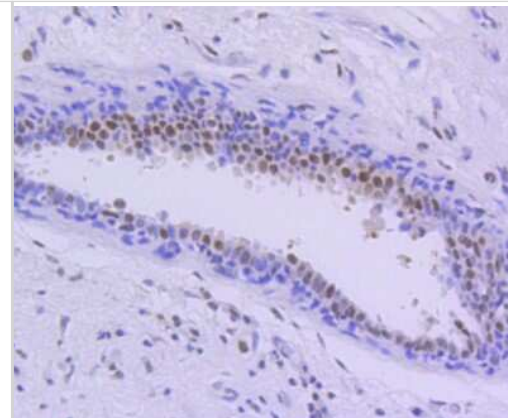
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



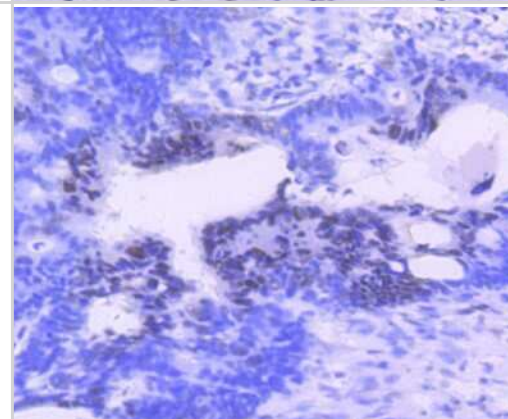
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



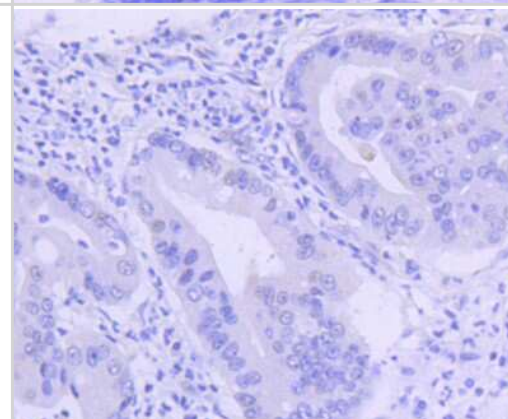
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human breast carcinoma tissue using anti-PIM1 antibody.  
Counter stained with hematoxylin.



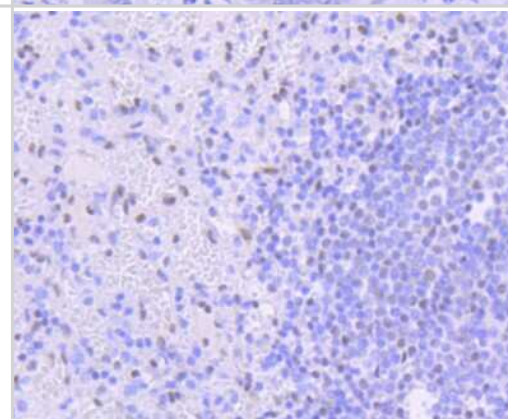
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human colon cancer tissue using anti-PIM1 antibody.  
Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human gastric carcinoma tissue using anti-PIM1 antibody.  
Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human spleen tissue using anti-PIM1 antibody. Counter  
stained with hematoxylin.



## Publications

Miruna Cristian, Mariana Aşchie, Anca-Florentina Mitroi, Mariana Deacu, Mădălina Boşoteanu, Gabriela-Izabela Bălătescu, Andreea-Georgiana Stoica, Anca-Antonela Nicolau, Manuela Enciu, Ana-Maria Creţu, Andreea-Daniela Caloian, Cristian-Ionuţ Orăşanu, Ionuţ Poinăreanu The impact of MYD88 and PIM1 in mature large B-cell non-Hodgkin lymphomas: Defining element of their evolution and prognosis *Medicine* 2024-02-09 [PMID: 38335426]

Li Y, Shi L, Zhao F et al. PIM1 attenuates cisplatin-induced AKI by inhibiting Drp1 activation *Cellular signalling* 2024-01-01 [PMID: 37967691] (ICC/IF, IHC, Mouse)

Luo Y, Zhu J, Zhao F et al. PIM1 attenuates renal ischemia-reperfusion injury by inhibiting ASK1-JNK/P38 *International immunopharmacology* 2022-12-10 [PMID: 36513021] (IHC-P, Mouse)

Li H, Xie L, Zhu L et al. Multicellular immune dynamics implicate PIM1 as a potential therapeutic target for uveitis *Nature communications* 2022-10-04 [PMID: 36195600] (FLOW, IF/IHC, Mouse)

Li Z, Wang M, Tan J et al. Single-cell RNA sequencing depicts the local cell landscape in thyroid-associated ophthalmopathy *Cell reports. Medicine* 2022-07-19 [PMID: 35896115] (IHC-Fr, Human)

Szydlowski M, Debek S, Prochorec-Sobieszek M et al. PIM Kinases Promote Survival and Immune Escape in Primary Mediastinal Large B-Cell Lymphoma through Modulation of JAK-STAT and NF-kappaB Activity *The American journal of pathology* 2020-12-08 [PMID: 33307035]





### **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 NBP2-67528**

---

|            |   |
|------------|---|
| HAF008     | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160     | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control                          |
| 210-TA-005 | TNF-alpha [Unconjugated]                            |

---

### **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/NBP2-67528](http://www.novusbio.com/reviews/submit/NBP2-67528)

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

