

# 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)



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### Publications: 7

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**NBP2-67528**

PIM1 Antibody (ST0513)

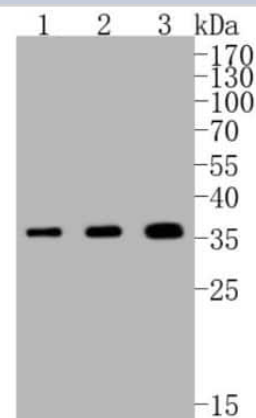
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ST0513
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit PIM1 Antibody (ST0513) (NBP2-67528) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-PIM1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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)

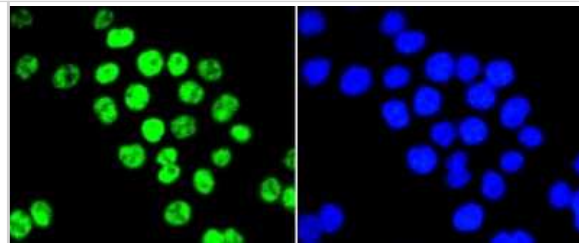
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:400, Immunohistochemistry-Frozen
Application Notes	Use in IHC-Fr reported in scientific literature (PMID:35896115).

**Images**

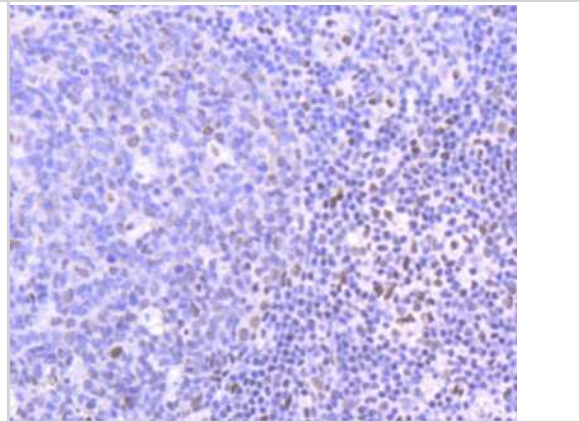
Western Blot: PIM1 Antibody (ST0513) [NBP2-67528] - Analysis of PIM1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody ( 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - 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



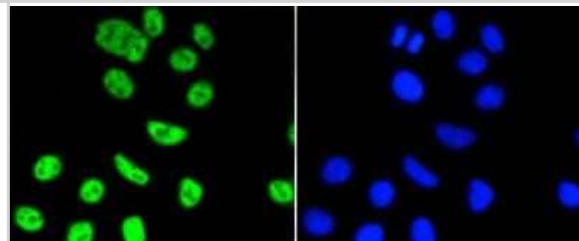
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



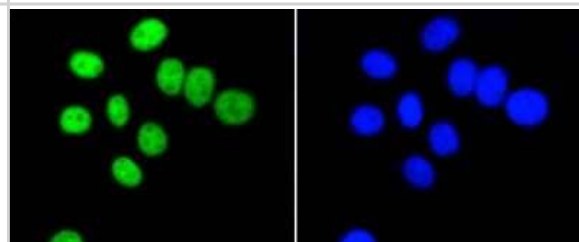
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528] - Analysis of human tonsil tissue using anti-PIM1 antibody. Counter stained with hematoxylin.



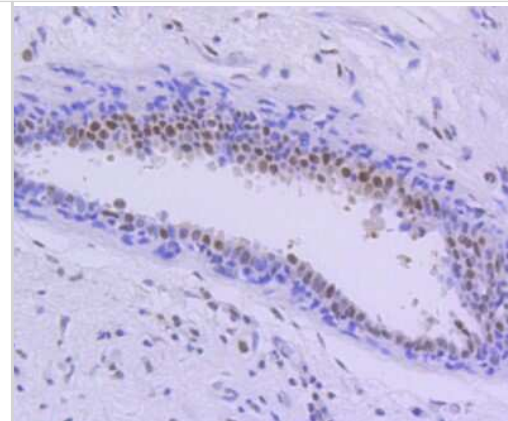
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



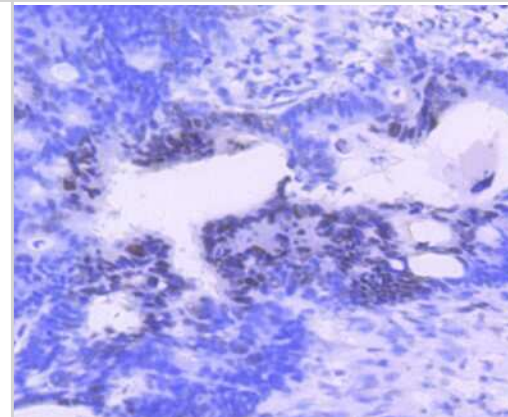
Immunocytochemistry/Immunofluorescence: PIM1 Antibody (ST0513) [NBP2-67528] - Staining PIM1 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



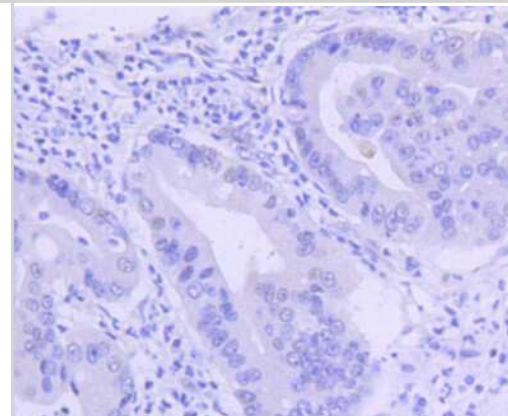
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human breast carcinoma tissue using anti-PIM1 antibody.  
Counter stained with hematoxylin.



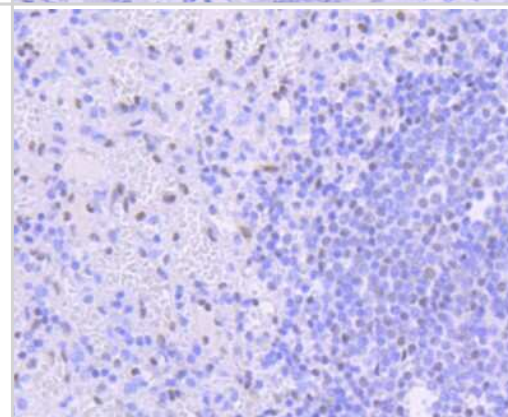
Immunohistochemistry-Paraffin: PIM1 Antibody (ST0513) [NBP2-67528]  
- Analysis of human colon cancer tissue using anti-PIM1 antibody.  
Counter stained with hematoxylin.



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

Zhu L, Li H, Peng X et al. Beneficial mechanisms of dimethyl fumarate in autoimmune uveitis: insights from single-cell RNA sequencing J Neuroinflammation 2024-04-29 [PMID: 38684986]

Miruna Cristian, Mariana Aşchie, Anca-Florentina Mitroi, Mariana Deacu, Mădălina Boşoteanu, Gabriela-Izabela Bălăţescu, 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]





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### **Products Related to NBP2-67528**

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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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