

# Product Datasheet

## Pin1 Antibody - BSA Free NBP1-05424

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: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-05424](http://www.novusbio.com/NBP1-05424)

Updated 2/26/2026 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/NBP1-05424](http://www.novusbio.com/reviews/destination/NBP1-05424)



**NBP1-05424**

Pin1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.07% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	IgY purified
<b>Buffer</b>	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
<b>Target Molecular Weight</b>	21 kDa

Product Description	
<b>Description</b>	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
<b>Host</b>	Chicken
<b>Gene ID</b>	5300
<b>Gene Symbol</b>	PIN1
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
<b>Immunogen</b>	Recombinant full length Pin1 purified from E. coli.
<b>Notes</b>	Chicken products cannot be exported to Canada.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:500-1:1000, Immunohistochemistry-Paraffin
<b>Application Notes</b>	This Pin1 antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at ~21 kDa. Use in IHC-P reported in scientific literature (PMID: 24891219).

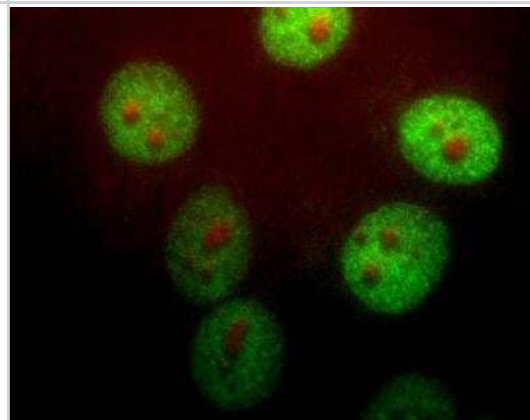


## Images

Western Blot: Pin1 Antibody [NBP1-05424] - Western blot of whole HeLa cell homogenate stained with NBP1-05424, at dilution of 1:10000. A prominent band running with an apparent SDS-PAGE molecular weight of approx. 21kDa corresponds to Pin1.



Immunocytochemistry/Immunofluorescence: Pin1 Antibody [NBP1-05424] - HeLa cells stained with NBP1-05424 antibody to Pin-1 (1:1000 dilution, green) and monoclonal to fibrillarlin, NB300-269 (red). Pin-1 stains the nuclear matrix and, much more faintly, the cytoplasm. The fibrillarlin antibody marks nucleoli.



## Publications

Yoon WJ, Islam R, Cho YD et al. Pin1 Plays a Critical Role as a Molecular Switch in Canonical BMP Signaling. *J. Cell. Physiol.* 2014-09-04 [PMID: 25187260] (ICC/IF, Mouse)

Islam R, Bae HS, Yoon WJ et al. Pin1 Regulates Osteoclast Fusion through Suppression of the Master Regulator of Cell Fusion DC-STAMP *J. Cell. Physiol.* 2014-06-02 [PMID: 24891219] (IHC-P, ICC/IF, Mouse)

### Details:

Pin1 antibody used for IHC-P and ICC-IF in Pin1 +/- and Pin1 -/- mice. For IHC-P, antigen retrieval provided efficient signal (boiled the tissues in Tris-EDTA buffer pH 9.2 for 20 min/60C) and biotinylated Mouse on Mouse (MOM) anti-Mouse Ig reagent was used for blocking the non-specific signal, followed by probing with primary and staining development with Alexa555-red labelled secondary antibody (Figure 4D). In ICC-IF on mouse's cultured osteoclasts, Triton-X (1%) was used for permeabilization and staining was developed with Alexa555-red labelled secondary antibody (Figure 4C).



### **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 NBP1-05424**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-55706PEP	Pin1 Recombinant Protein Antigen

---

### **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/NBP1-05424](http://www.novusbio.com/reviews/submit/NBP1-05424)

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

