

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.

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NBP1-05424

Pin1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the 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	0.07% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	PBS. Supplied as concentrated total IgY preparation from egg yolk. Exact concentration of target specific IgY is not quantifiable as the preparation contains both immune IgY specific for the target and also irrelevant, non-immune IgY.
Target Molecular Weight	21 kDa

Product Description	
Host	Chicken
Gene ID	5300
Gene Symbol	PIN1
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
Immunogen	Recombinant full length Pin1 purified from E. coli.
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:500-1:1000, Immunohistochemistry-Paraffin
Application Notes	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).

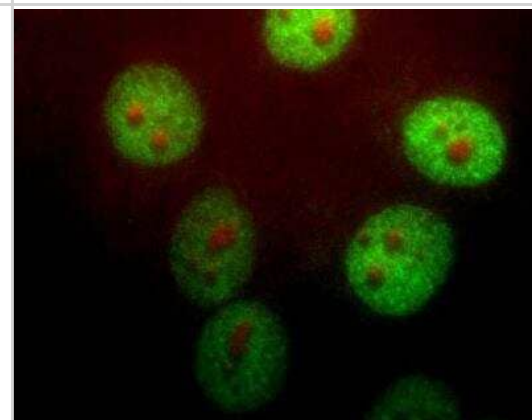


Images

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 fibrillarin, NB300-269 (red). Pin-1 stains the nuclear matrix and, much more faintly, the cytoplasm. The fibrillarin 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).



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Products Related to NBP1-05424

BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-55706PEP	Pin1 Recombinant Protein Antigen
NBL1-14428	Pin1 Overexpression Lysate

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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