

Product Datasheet

POM121 Antibody NBP2-19890

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-19890

Updated 9/25/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-19890



NBP2-19890

POM121 Antibody

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	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	128 kDa

Product Description	
Description	Novus Biologicals Rabbit POM121 Antibody (NBP2-19890) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-POM121 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9883
Gene Symbol	POM121
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (81%).
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human POM121. The exact sequence is proprietary.

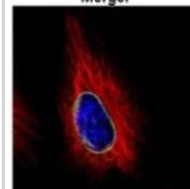
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

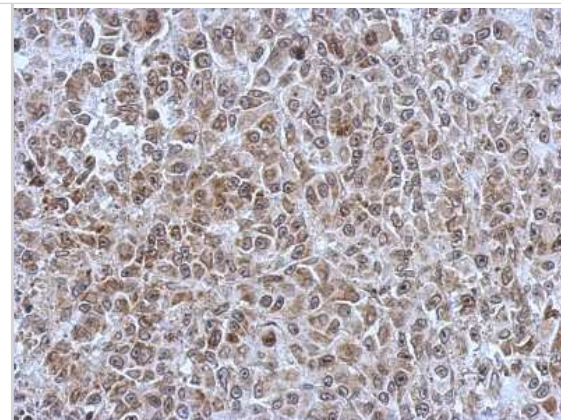
Immunocytochemistry/Immunofluorescence: POM121 Antibody [NBP2-19890] - Confocal immunofluorescence analysis of methanol-fixed HeLa, using POM121 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments are labeled with Alpha-tubulin antibody (Red) at 1:500.



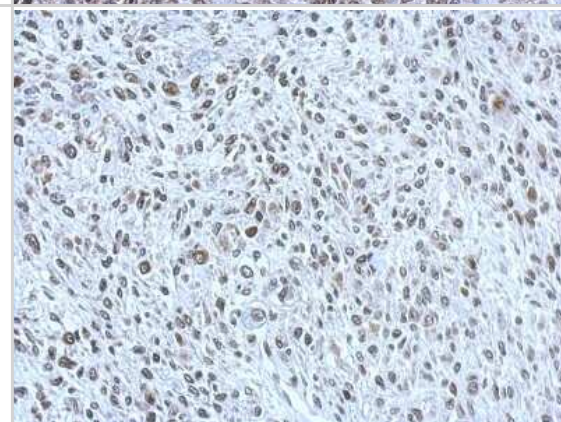
Merger



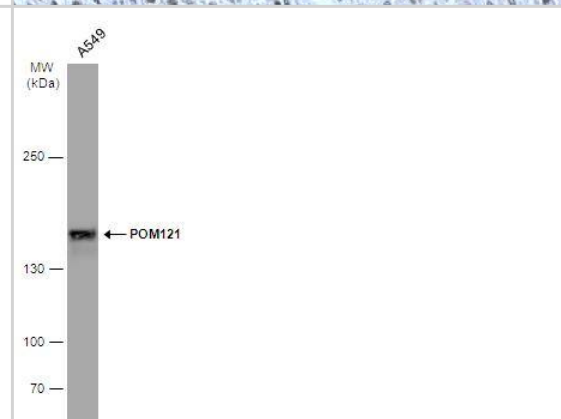
Immunohistochemistry-Paraffin: POM121 Antibody [NBP2-19890] - HBL435 xenograft, using POM121 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



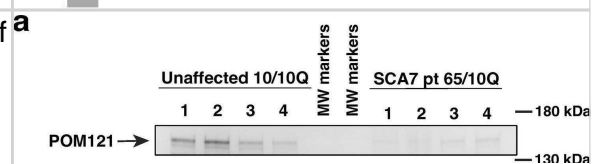
Immunohistochemistry-Paraffin: POM121 Antibody [NBP2-19890] - Immunohistochemical analysis of paraffin-embedded C2C12 xenograft, using antibody at 1:500 dilution.



Whole cell extract (30 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with POM121 antibody [N2N3] (NBP2-19890) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



SCA7 patient NPCs display a marked reduction in the expression level of nucleoporin POM121. (a) We performed immunoblot analysis on neuron progenitor cells (NPCs) derived from either an unaffected related control (10Q/10Q) and on NPCs derived from a SCA7 patient (65Q/10Q) after obtaining protein lysates, and preparing and loading samples with identical amounts of total protein. Levels of full-length POM121 protein, which migrates at ~145 kDa, are visibly reduced in four SCA7 NPC biological replicates compared to four NPC biological replicates from the unaffected related control. (b) To assure equivalent loading and protein level normalization, we used a 4–20% Stain-Free TGX gel (shown here). (c) After quantifying POM121 protein levels by densitometry and normalizing to total protein using stain-free technology (BioRad), we noted a significant >40% reduction in POM121 protein expression in SCA7 NPCs. Data was normalized to unaffected control mean, which was arbitrarily set to 1.0, and then compared by nested t-test, $p = 0.0286$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39649105>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Stang TE, Salapa HE, Clarke JWE et al. Heterogeneous Nuclear Ribonucleoprotein A1 Knockdown Alters Constituents of Nucleocytoplasmic Transport Brain Sciences 2024-10-19 [PMID: 39452051]

Hochmair J, Exner C, Franck M et al. Molecular crowding and RNA synergize to promote phase separation, microtubule interaction, and seeding of Tau condensates The EMBO journal 2022-03-17 [PMID: 35298090] (ICC/IF, Human)

Rossi A, Coum A, Madelenat M, et al. Neural stem cells alter nucleocytoplasmic partitioning and accumulate nuclear polyadenylated transcripts during quiescence bioRxiv 2021-01-07 (WB)

Kim Jihye, Chung Joon-Yong, Kim Tae-Joong et al. Genomic Network-Based Analysis Reveals Pancreatic Adenocarcinoma Up-Regulating Factor-Related Prognostic Markers in Cervical Carcinoma. Frontiers in Oncology 2018-10-23 [PMID: 30406031] (IHC-P, Human)

Bilir S, Kojidani T, Mori C et al. Roles of Nup133, Nup153 and membrane fenestrations in assembly of the nuclear pore complex at the end of mitosis Genes Cells 2019-02-28 [PMID: 30821042] (Human)

Guo J, Liu X, Wu C et al. The transmembrane nucleoporin Pom121 ensures efficient HIV-1 pre-integration complex nuclear import. Virology. 2018-06-25 [PMID: 29957337] (WB, 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
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-19890

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

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-19890

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

