

Product Datasheet

PCM1 Antibody - BSA Free

NBP1-87195

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

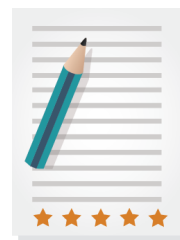
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NBP1-87195

PCM1 Antibody - BSA Free

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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Description	Novus Biologicals Rabbit PCM1 Antibody - BSA Free (NBP1-87195) is a polyclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-PCM1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5108
Gene Symbol	PCM1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26375005 and 26098432).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EEEGVSGASLSSHRSSLVDEHPEDAEFEQKINRLMAAKQKLRQLQDLVAMVQ DDDAAGVISASASNLDDFYPAEEDTKQNSNNTRGNANKTQKDT

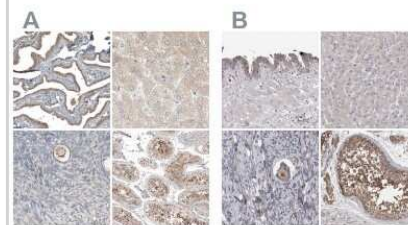
Product Application Details

Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry Reported in scientific literature (PMID: 25335909), Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

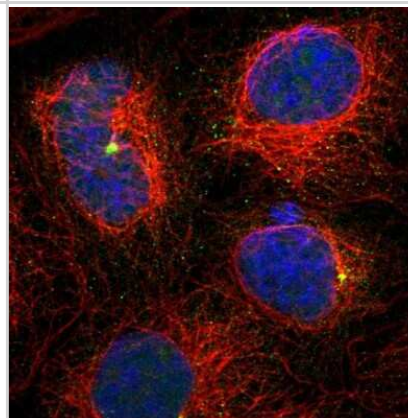


Images

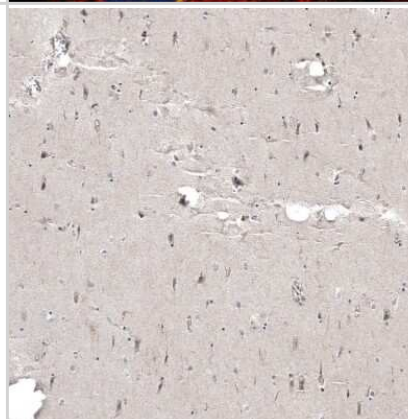
Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human fallopian tube, liver, ovary and testis using Anti-PCM1 antibody NBP1-87195 (A) shows similar protein distribution across tissues to independent antibody NBP1-87196 (B).



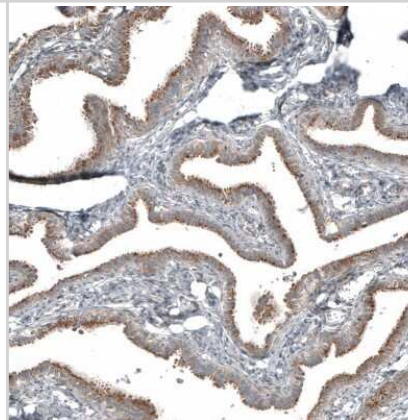
Immunocytochemistry/Immunofluorescence: PCM1 Antibody [NBP1-87195] - Staining of human cell line A-431 shows localization to centrosome. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human cerebral cortex shows weak cytoplasmic positivity in neuronal cells.



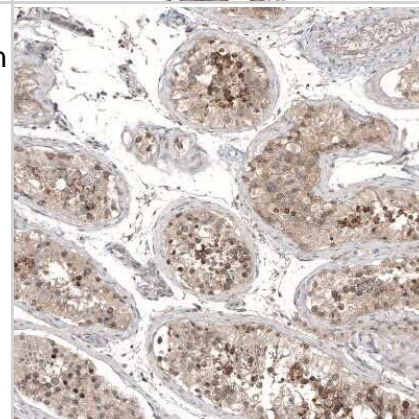
Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human fallopian tube shows moderate cytoplasmic positivity in glandular cells.



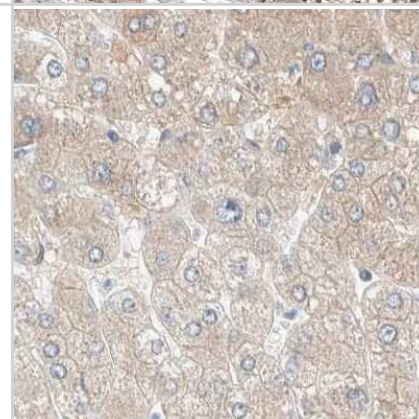
Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human small intestine shows weak to moderate cytoplasmic positivity in glandular cells.



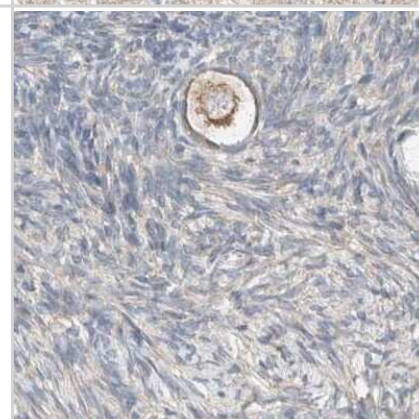
Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



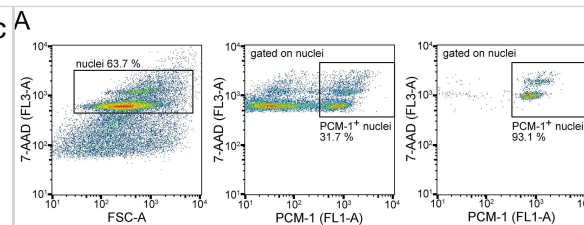
Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human liver.



Immunohistochemistry-Paraffin: PCM1 Antibody [NBP1-87195] - Staining of human ovary.



Flow Cytometry: PCM1 Antibody [NBP1-87195] - Cardiomyocyte-specific Cre-mediated recombination. (A) Representative flow cytometry plots depicting the gating strategy for sorting of cardiomyocyte nuclei. Positive 7-AAD (left panel) & PCM-1 (middle panel) staining identified cardiomyocyte nuclei. Purity of sorted cardiomyocyte nuclei is demonstrated in the right panel. FSC represents forward scatter. (B) Recombination rates in sorted male cardiomyocyte nuclei. Recombination rates were calculated from relative expression of respective Dnmt3 exons compared to Sry levels (n = 6). Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0131019>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ke Wei, Vahid Serpooshan, Cecilia Hurtado et al. Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. *Nature* 2015-09-16 [PMID: 26375005] (ICC/IF, IF/IHC, Mouse)

Nuhrenberg TG, Hammann N, Schnick T et al. Cardiac Myocyte De Novo DNA Methyltransferases 3a/3b Are Dispensable for Cardiac Function and Remodeling after Chronic Pressure Overload in Mice. *PLoS One* 2015-01-01 [PMID: 26098432] (IF/IHC, Mouse)

Shiratsuchi G, Takaoka K, Ashikawa T et al. RBM14 prevents assembly of centriolar protein complexes and maintains mitotic spindle integrity. *EMBO J* 2015-01-02 [PMID: 25385835] (ICC/IF, Human)

Gilsbach R, Preissl S, Gruning BA et al. Dynamic DNA methylation orchestrates cardiomyocyte development, maturation and disease. *Nat Commun* 2014-10-22 [PMID: 25335909] (IF/IHC, FLOW, Human)



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Products Related to NBP1-87195

NBP1-87195PEP	PCM1 Recombinant Protein Antigen
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.

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