

# Product Datasheet

## Gankyrin Antibody - BSA Free NBP1-82443

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: 1

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Updated 12/2/2025 v.20.1

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**NBP1-82443**

Gankyrin Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See 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>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

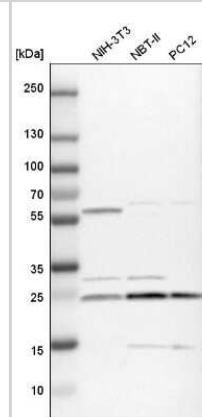
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Gankyrin Antibody - BSA Free (NBP1-82443) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Gankyrin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5716
<b>Gene Symbol</b>	PSMD10
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EGCVSNLMVCNLAYSGKLEELKESILADKSLATRTDQDSRTALHWACSAGHTEI VEFLLQLGVPVNDKDDAGWSPLHIAASAGRDEIVKALLGKGAQVNAVNQNGCT PL

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

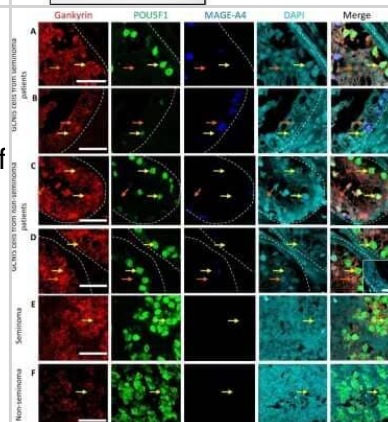


## Images

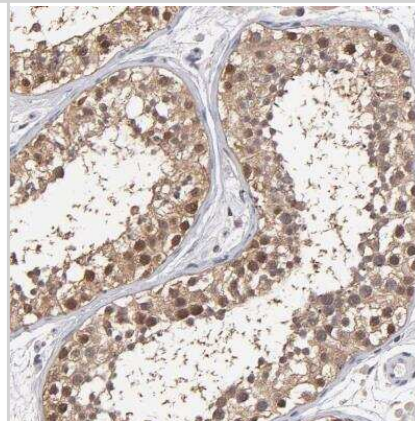
Western Blot: Gankyrin Antibody [NBP1-82443] - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



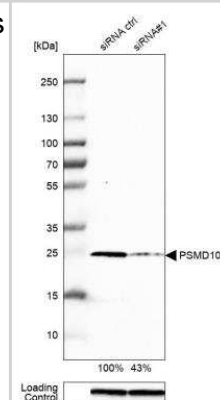
Immunocytochemistry/Immunofluorescence: Gankyrin Antibody [NBP1-82443] - Gankyrin expression in invasive TGCC. a-d Gankyrin (red), POU5F1 (green; GCNIS cells), and MAGE-A4 (blue; spermatogonia) expression in GCNIS containing tubules from patients with invasive TGCC, yellow arrows - GCNIS cells, orange arrows - Sertoli cells. e and f Gankyrin (red), POU5F1 (green; seminoma cells), and MAGE-A4 (blue) expression in seminoma cells (e) and a mixed TGCC (e), inset on D - no primary antibody control. Scalebars - 50 um. Image collected and cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-6340-7>), licensed under a CC-BY license.



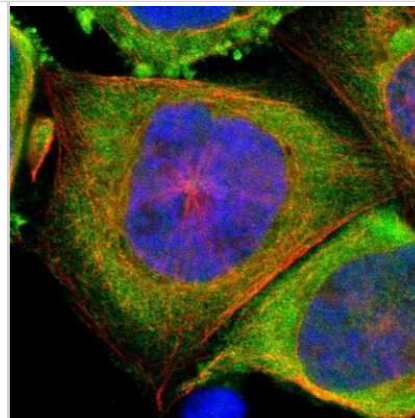
Immunohistochemistry-Paraffin: Gankyrin Antibody [NBP1-82443] - Staining of human testis shows moderate cytoplasmic and nuclear positivity in cells of seminiferous ducts.



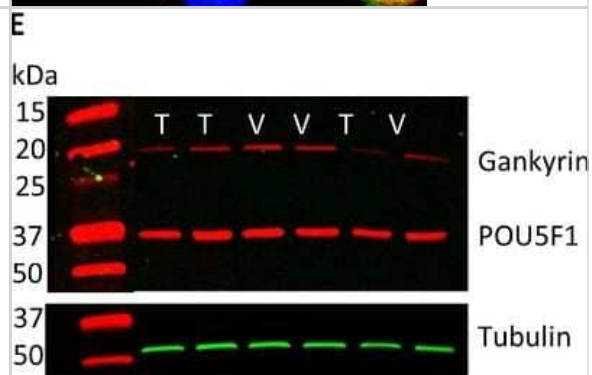
Western Blot: Gankyrin Antibody [NBP1-82443] - Analysis in MCF-7 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-PSMD10 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



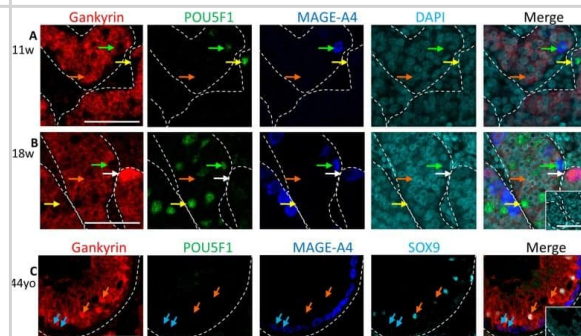
Immunocytochemistry/Immunofluorescence: Gankyrin Antibody [NBP1-82443] - Staining of human cell line A-431 shows positivity in cytoplasm.



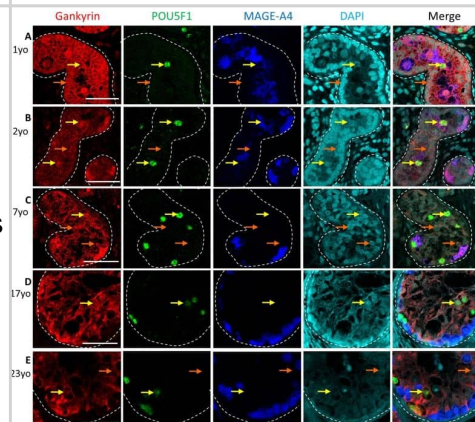
Western Blot: Gankyrin Antibody [NBP1-82443] - Effects of Gankyrin knock-down on Gankyrin and POU5F1 expression. Representative Western blot for Gankyrin and POU5F1 expression in (V) vehicle and Gankyrin siRNA (T) transfected Ntera2 cells. Tubulin was used as a loading control. Data analysed by paired t-test +/- SEM, \*\*\* $p < 0.001$ , \*\* $p < 0.01$ . Each data point represents the mean of an individual experiment, each with 3 replicates. Paired samples from an individual experiment are represented by the same colour. Image collected and cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-6340-7>), licensed under a CC-BY license.



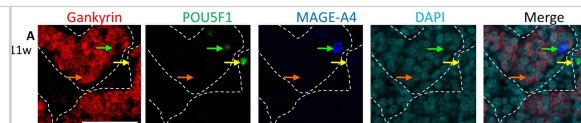
Immunocytochemistry/ Immunofluorescence: Gankyrin Antibody [NBP1-82443] - Representative images for Gankyrin expression in human fetal testis & normal adult testis. Gankyrin (red), POU5F1 (green; gonocyte) & MAGE-A4 (blue; prespermatogonia) expression in A), 11 week & B) 18 week old human fetal testis, counterstained with DAPI, yellow arrows – gonocytes, white arrows – pre-spermatogonia, green arrows – differentiating gonocyte, orange arrows – Sertoli cells, Scalebars – 50  $\mu$ m. C) Representative image of Gankyrin expression in normal human adult testis immunostained for SOX9 (cyan; Sertoli cells), POU5F1 (green), MAGE-A4 (blue; spermatogonia) & Gankyrin (red), Cyan arrow – spermatogonia. Scalebars – 50  $\mu$ m, insets – no primary antibody controls. w-weeks. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31744479>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



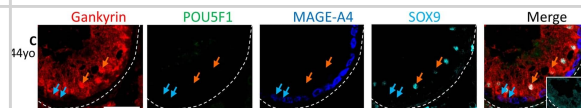
Immunocytochemistry/ Immunofluorescence: Gankyrin Antibody [NBP1-82443] - Gankyrin expression pre-invasive germ cells. a) 1 year old - maturation delay; b) 2 year old – maturation delay; c) 7 year old pre-invasive TGCC; d) 17 year old pre-invasive TGCC; & e) 23 year old pre-invasive TGCC. Yellow arrows – GCNIS cells, orange arrows – Sertoli cells. This experiment was performed along with human fetal testis samples, no primary antibody control is the same as on Fig. 1, Scalebars - 50  $\mu$ m. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31744479>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



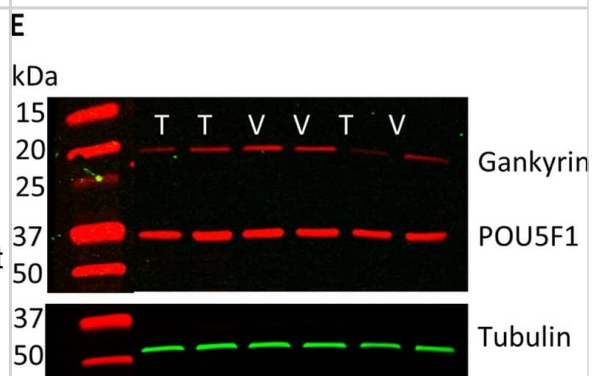
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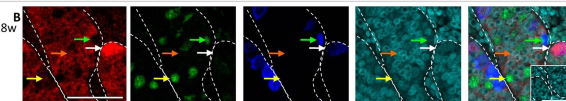
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Western Blot: Gankyrin Antibody [NBP1-82443] - Effects of Gankyrin knock-down on Gankyrin & POU5F1 expression. Relative Gankyrin mRNA(a) & protein (b) expression in NTera2 cells after Gankyrin knock-down. Relative POU5F1 mRNA (c) & protein (d) expression in NTera2 cells after Gankyrin knock-down. e Representative Western blot for Gankyrin & POU5F1 expression in (V) vehicle & Gankyrin siRNA (T) transfected NTera2 cells. Tubulin was used as a loading control. Data analysed by paired t-test  $\pm$  SEM, \*\*\*p < 0.001, \*\*p < 0.01. Each data point represents the mean of an individual experiment, each with 3 replicates. Paired samples from an individual experiment are represented by the same colour. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31744479>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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## Publications

Camacho-Moll ME, Macdonald J, Looijenga LHJ et al. The oncogene Gankyrin is expressed in testicular cancer and contributes to cisplatin sensitivity in embryonal carcinoma cells BMC Cancer 2019-11-19 [PMID: 31744479] (IF/IHC, Human)



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### **Products Related to NBP1-82443**

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NBP1-82443PEP	Gankyrin Recombinant Protein Antigen
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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