

Product Datasheet

Acrosin Antibody - BSA Free NBP2-14260

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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technical@novusbio.com

Publications: 14

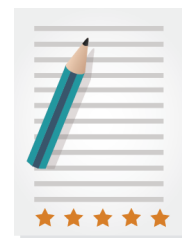
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Updated 3/30/2026 v.20.1

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NBP2-14260

Acrosin Antibody - BSA Free

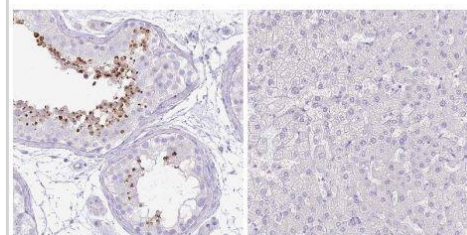
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	49
Gene Symbol	ACR
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LMEARVDLIDLDCNSTQWYNGRVQPTNVCAGYPVGKIDTCQ

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID 27430551), Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

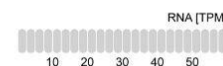
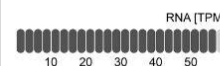
Images

Analysis in human testis and liver tissues using NBP2-14260 antibody. Corresponding ACR RNA-seq data are presented for the same tissues.

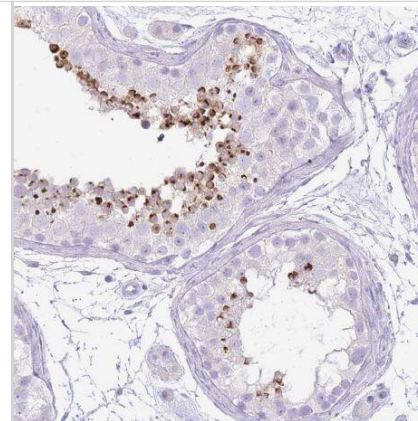


ACR in Testis

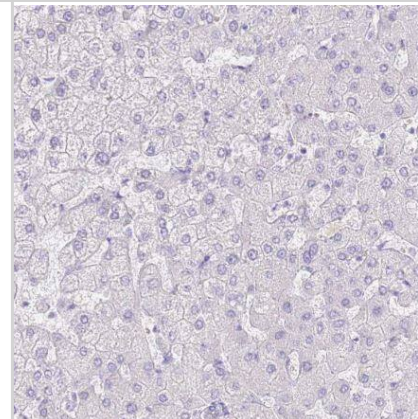
ACR in Liver



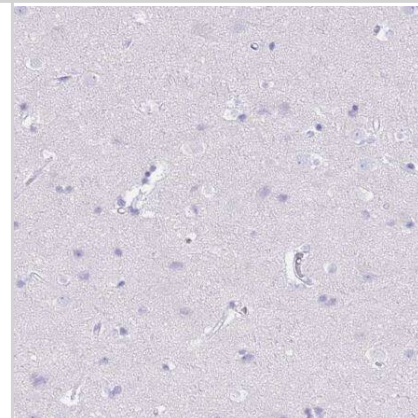
Staining of human testis show strong extracellular space and nuclear positivity in subset of cells in seminiferous ducts.



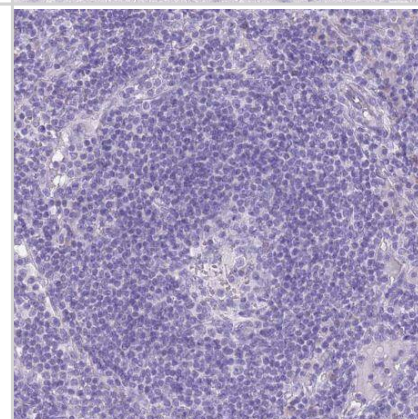
Staining of human liver shows no positivity in hepatocytes as expected.



Staining of human cerebral cortex shows no positivity in neurons as expected.



Staining of human lymph node shows no positivity in germinal center cells as expected.



Publications

Jiaming S, Xie G, Xinlong W et al. Erucic acid impairs male fertility by suppressing retinoic acid synthesis in sertoli cells. *Ecotoxicology and environmental safety* 2025-08-31 [PMID: 40889457]

Sawaied A, Lunenfeld E, Huleihel M. Interleukin-34, a Novel Paracrine/Autocrine Factor in Mouse Testis, and Its Possible Role in the Development of Spermatogonial Cells In Vitro *International Journal of Molecular Sciences* 2020-10-30 [PMID: 33143373] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Rat)

Sawaied A, Arazi E, AbuElhija A et al. The Presence of Colony-Stimulating Factor-1 and Its Receptor in Different Cells of the Testis; It Involved in the Development of Spermatogenesis In Vitro *International Journal of Molecular Sciences* 2021-02-26 [PMID: 33652607] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Rat)

Shao ZM, Zhu YT, Gu M et Al. Novel variants in DNAH6 cause male infertility associated with multiple morphological abnormalities of the sperm flagella (MMAF) and ICSI outcomes *Asian J Androl* 2024-01-01 [PMID: 37594300]

Hua R, Xue R, Liu Y et al. ACROSIN deficiency causes total fertilization failure in humans by preventing the sperm from penetrating the zona pellucida *Human reproduction (Oxford, England)* 2023-06-01 [PMID: 37004249]

Tian-Ying Yang, Ying Chen, Guo-Wu Chen, Yi-Si Sun, Zhi-Chao Li, Xiao-Rong Shen, Yi-Ni Zhang, Wen He, Dan Zhou, Hui-Juan Shi, Ai-Jie Xin, Xiao-Xi Sun Sperm-specific protein ACTL7A as a biomarker for fertilization outcomes of assisted reproductive technology *Asian Journal of Andrology* 2022-01-01 [PMID: 35532568]

Yu H, Shi X, Shao Z et al. Novel HYDIN variants associated with male infertility in two Chinese families *Frontiers in endocrinology* 2023-01-18 [PMID: 36742411] (WB, ICC/IF, Human)

Ma Y, Chen J, Li H et al. Immature rat testis sustained long-term development using an integrative model *Biological research* 2022-10-04 [PMID: 36195947] (IF/IHC, Rat)

Yang TY, Chen Y, Chen GW et al. Sperm-specific protein ACTL7A as a biomarker for fertilization outcomes of assisted reproductive technology *Asian journal of andrology* 2022-02-18 [PMID: 35229759] (WB, Human)

Zhao Q, Huang JF, Cheng Y Et al. Polyamine metabolism links gut microbiota and testicular dysfunction *Microbiome* 2021-11-11 [PMID: 34758869] (IF/IHC, Mouse)

Nakamura N, Sloper DT Comparison of germ cell differentiation of rat testis fragments cultured in knockout serum replacement versus Albumax I *Birth defects research* 2020-12-21 [PMID: 33348473]

Xin A, Qu R, Chen G et al. Disruption in ACTL7A causes acrosomal ultrastructural defects in human and mouse sperm as a novel male factor inducing early embryonic arrest *Sci. Adv.* 2020-08-01 [PMID: 32923619] (ICC/IF, Human, Mouse)

More publications at <http://www.novusbio.com/NBP2-14260>





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 NBP2-14260

NBP2-14260PEP	Acrosin 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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