

Product Datasheet

Testis expressed 264 Antibody - BSA Free NBP1-89866

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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Publications: 8

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Updated 9/9/2025 v.20.1

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NBP1-89866

Testis expressed 264 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

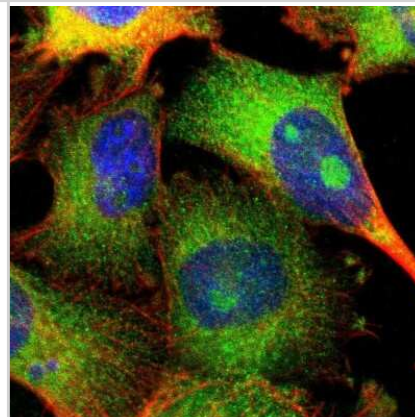
Product Description	
Description	Novus Biologicals Rabbit Testis expressed 264 Antibody - BSA Free (NBP1-89866) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Testis expressed 264 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51368
Gene Symbol	TEX264
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AIDTQVDGTGADTMSDTSSVSLEVSPGSRETSAA TLSPGASSRGWDDGDTRS EHSYSESGASGSSFEELDLEGEGLGESRLDPGTEPLGTTKWLWEPTAPEKG KE

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot Reactivity reported in (PMID: 31006538)., Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

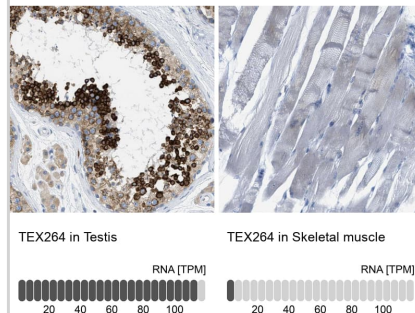


Images

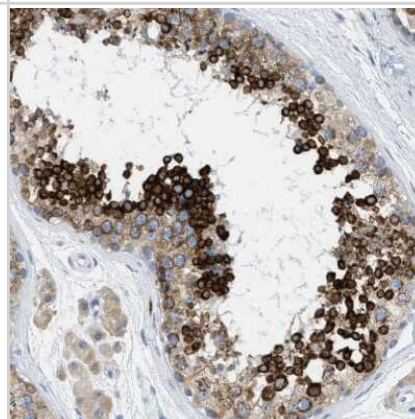
Immunocytochemistry/Immunofluorescence: Testis expressed 264 Antibody [NBP1-89866] - Staining of human cell line U-251 MG shows localization to nucleoli & cytosol. Antibody staining is shown in green.



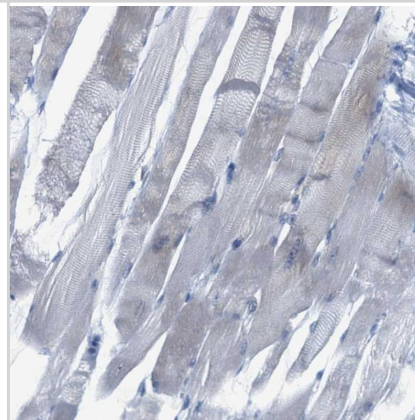
Analysis in human testis and skeletal muscle tissues using NBP1-89866 antibody. Corresponding TEX264 RNA-seq data are presented for the same tissues.



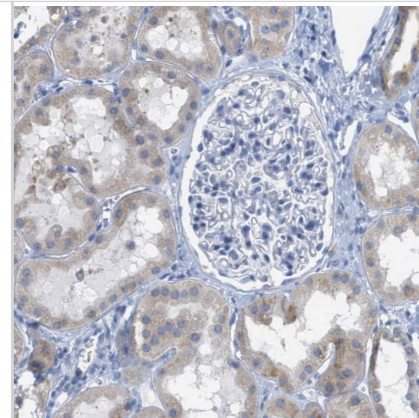
Immunohistochemistry-Paraffin: Testis expressed 264 Antibody [NBP1-89866] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



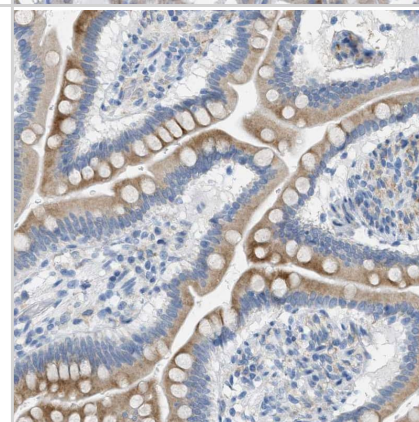
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human kidney shows weak cytoplasmic positivity in cells in tubules.



Staining of human small intestine shows moderate cytoplasmic positivity in glandular cells.



Publications

Ikeda R, Noshiro D, Morishita H, Takada S et al. Phosphorylation of phase-separated p62 bodies by ULK1 activates a redox-independent stress response EMBO J 2023-06-12 [PMID: 37306101]

Xiaoting Zhou, You-Kyung Lee, Xianting Li, Henry Kim, Carlos Sanchez-Priego, Xian Han, Haiyan Tan, Suiping Zhou, Yingxue Fu, Kerry Purtell, Qian Wang, Gay R. Holstein, Beisha Tang, Junmin Peng, Nan Yang, Zhenyu Yue Integrated proteomics reveals autophagy landscape and an autophagy receptor controlling PKA-RI complex homeostasis in neurons Nature Communications 2024-04-10 [PMID: 38600097]

Kucińska MK, Fedry J, Galli C et al. TMX4-driven LINC complex disassembly and asymmetric autophagy of the nuclear envelope upon acute ER stress Nature communications 2023-06-13 [PMID: 37311770] (Mouse)

Details:
Immunogold electron microscopy

Kurusu R, Fujimoto Y, Morishita H et al. Integrated proteomics identifies p62-dependent selective autophagy of the supramolecular vault complex Developmental cell 2023-05-09 [PMID: 37192622]

Wrobel L, Hill SM, Djajadikerta A et al. Compounds activating VCP D1 ATPase enhance both autophagic and proteasomal neurotoxic protein clearance Nature communications 2022-07-16 [PMID: 35842429] (WB, Human)

Details:
Supplementary fig. 3, Dilution 1:1000

Chino H, Yamasaki A, Ode KL et al. Phosphorylation by casein kinase 2 enhances the interaction between ER-phagy receptor TEX264 and ATG8 proteins EMBO reports 2022-04-13 [PMID: 35417087] (WB, Human)

Nthiga TM, Kumar Shrestha B, Sjøttem E et al. CALCOCO1 acts with VAMP-associated proteins to mediate ER-phagy EMBO J. 2020-06-11 [PMID: 32525583]

Chino, H;Hatta, T;Natsume, T;Mizushima, N; Intrinsically Disordered Protein TEX264 Mediates ER-phagy Mol. Cell 2019-04-11 [PMID: 31006538] (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 NBP1-89866

NBP1-89866PEP	Testis expressed 264 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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