

Product Datasheet

espin Antibody - BSA Free

NBP1-90588

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: 2

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Updated 9/9/2025 v.20.1

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NBP1-90588

espin 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

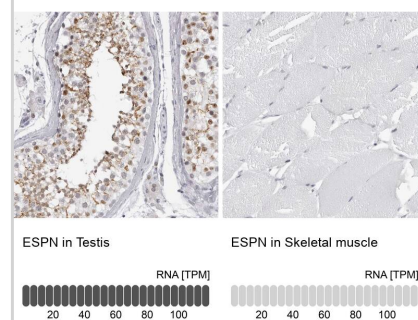
Product Description	
Description	Novus Biologicals Rabbit espin Antibody - BSA Free (NBP1-90588) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-espin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	83715
Gene Symbol	ESPN
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in (PMID:30467855). Mouse (89%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SMPAWRRDLLRKKLEEEREQKRKEEERQKQEELRREKEQSEKLRTLGYDESK LAPWQRQVILKK

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4, separated by Size, antibody dilution of 1:20, apparent MW was 146 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

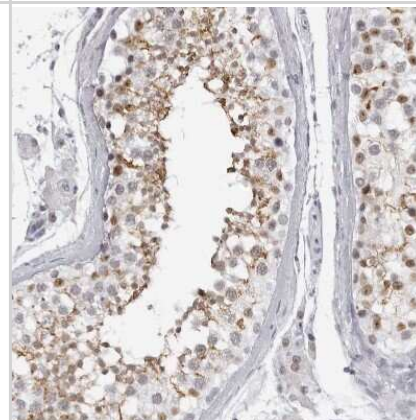


Images

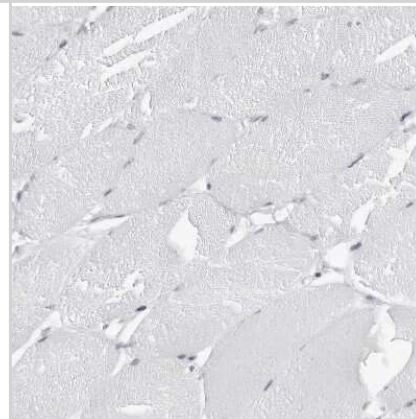
Analysis in human testis and skeletal muscle tissues using NBP1-90588 antibody. Corresponding ESPN RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: espin Antibody [NBP1-90588] - Staining of human testis shows moderate membranous positivity in cells in seminiferous ducts.



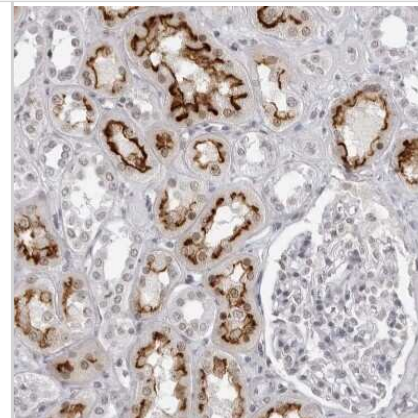
Immunohistochemistry-Paraffin: espin Antibody [NBP1-90588] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



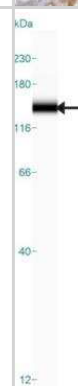
Immunohistochemistry-Paraffin: espin Antibody [NBP1-90588] - Staining of human duodenum shows strong positivity in apical membrane in glandular cells.



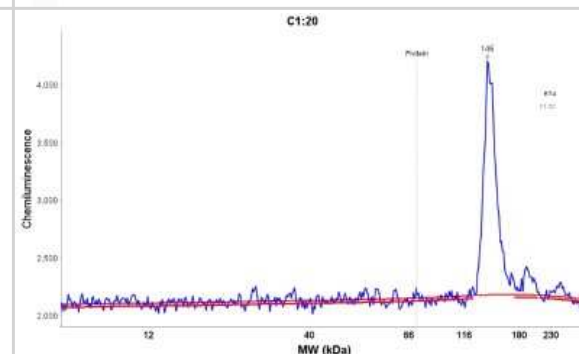
Immunohistochemistry-Paraffin: espin Antibody [NBP1-90588] - Staining of human kidney shows strong positivity in luminal membrane in cells in tubules.



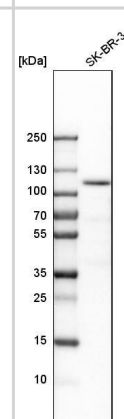
Simple Western: espin Antibody [NBP1-90588] - Simple Western lane view shows a specific band for ESPN in 0.2 mg/ml of RT-4 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: espin Antibody [NBP1-90588] - Electropherogram image(s) of corresponding Simple Western lane view. espin antibody was used at 1:20 dilution on RT-4 lysate(s).



Analysis in human cell line SK-BR-3.



Publications

Masuda H, Nakamuta N, Yamamoto Y. Morphology of GNAT3-immunoreactive chemosensory cells in the rat larynx. J. Anat. 2018-11-23 [PMID: 30467855] (IF/IHC, Rat)

Hori JI, Koga D, Kakizaki H et al. Differential effects of depot formulations of GnRH agonist leuporelin and antagonist degarelix on the seminiferous epithelium of the rat testis Biomed. Res. 2018-08-14 [PMID: 30101840] (IHC-P, Rat)



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Products Related to NBP1-90588

NBP1-90588PEP	espin 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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