

Product Datasheet

LRGUK Antibody - BSA Free

NBP2-17163

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-17163

Updated 9/25/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-17163



NBP2-17163

LRGUK Antibody - BSA Free

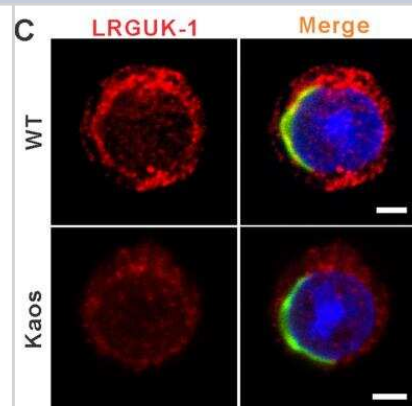
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol
Target Molecular Weight	94 kDa

Product Description	
Description	Novus Biologicals Rabbit LRGUK Antibody - BSA Free (NBP2-17163) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-LRGUK Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	136332
Gene Symbol	LRGUK
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25781171). Bovine (86%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human FLJ32786. The exact sequence is proprietary.

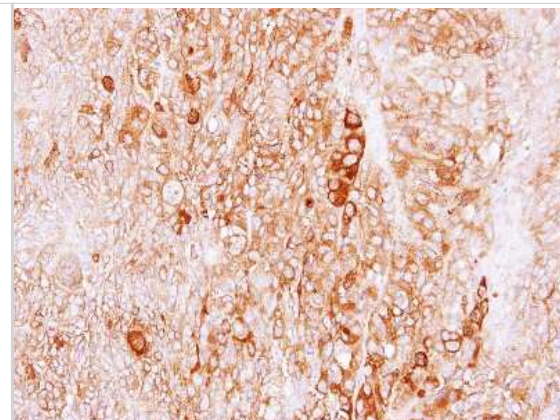
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

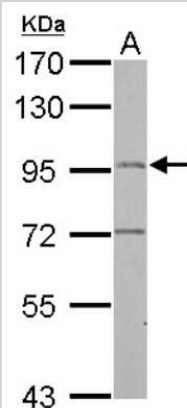
Immunocytochemistry/Immunofluorescence: LRGUK Antibody [NBP2-17163] - The localization of LRGUK (red) in purified round spermatids, scale bar = 2µm. Acrosomes were visualised by PNA (green). DAPI in blue. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1005090>) licensed under a CC-BY license.



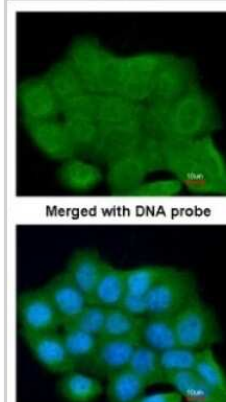
Immunohistochemistry-Paraffin: LRGUK Antibody [NBP2-17163] - BT483 xenograft, using FLJ32786 antibody at 1:500 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



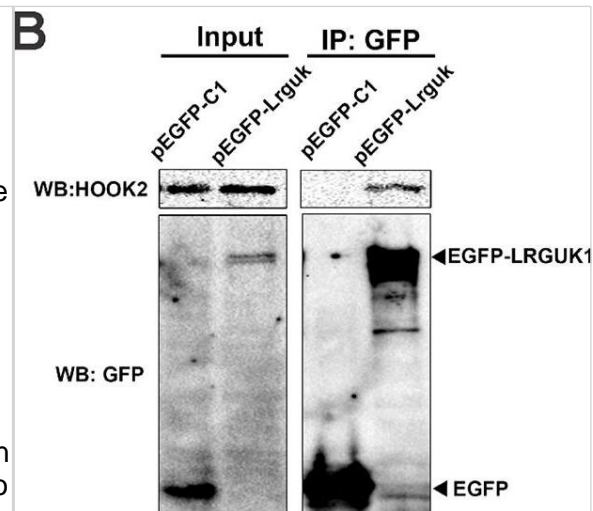
Western Blot: LRGUK Antibody [NBP2-17163] - 30 ug Huh7 whole cell lysate/extract 7.5 % SDS-PAGE antibody [N2C1], Internal dilution: 1:1000.



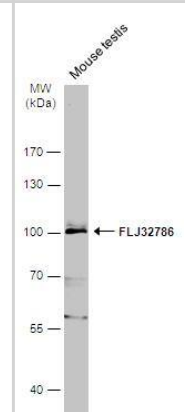
Immunocytochemistry/Immunofluorescence: LRGUK Antibody [NBP2-17163] - Immunofluorescence analysis of paraformaldehyde-fixed A431, using antibody at 1:200 dilution.



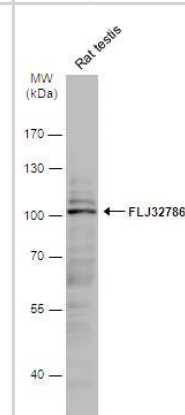
Western Blot: LRGUK Antibody [NBP2-17163] - LRGUK-1 binds to HOOK2. (A) Growth of yeast carrying wild type LRGUK-1 (LRGUKWT/pDEST32) & HOOK2 (HOOK2/pDEST22) compared to those carrying LRGUKKaos (LRGUKKaos/pDEST32) & HOOK2 (HOOK2/pDEST22), & empty pDEST32 & pDEST22 vectors. Binding was absent (i.e. no growth) when empty vectors were used as a negative control. (B) Confirmation of the interaction between LRGUK-1 & HOOK2 by immunoprecipitation from HEK293 cells expressing EGFP-tagged LRGUK-1. EGFP-tagged LRGUK-1 was immunoprecipitated using GFP antibody-conjugated beads (anti-GFP-Trap-A beads), & immunoblotting was performed using HOOK2 antibody to detect the interaction between the EGFP-tagged LRGUK-1 & endogenous HOOK2. pEGFP-C1 represents a negative control which over-expressed EGFP protein only. Input: whole cell lysates of transfected HEK293 cells. (C) The localization of HOOK2 (red) in WT round spermatids, co-labelled with PNA (green) to mark the acrosome. HOOK2 was present within the developing acrosome/acroplaxome (arrowhead), at a region consistent with the leading edge of the acrosome & acroplaxome (arrows) & at a site consistent with the basal body (asterisk). (D) The localisation of HOOK2 (red) onto the microtubules (α -tubulin, green) of the manchette in WT & LrgukKaos/Kaos elongating spermatids. Scale bar = 5 μ m. (E) HOOK2 (red) within caudal epididymal sperm. Acetylated (Ac) tubulin was used as an axoneme marker. The asterisk indicates HOOK2 in the sperm basal body. Scale bar = 5 μ m. In all images, nuclei are labelled with DAPI (blue). Please see S3 Fig. for negative control images. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/25781171>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Mouse tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with FLJ32786 antibody [N2C1], Internal (NBP2-17163) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Rat tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with FLJ32786 antibody [N2C1], Internal (NBP2-17163) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Liu Y, DeBoer K, de Kretser DM et al. LRGUK-1 Is Required for Basal Body and Manchette Function during Spermatogenesis and Male Fertility. PLoS Genet. 2015-03-01 [PMID: 25781171] (IF/IHC, Mouse)



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 NBP2-17163

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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-17163

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

