

Product Datasheet

FOX L2 Antibody NB100-1277

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 72

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-1277

Updated 10/23/2024 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/NB100-1277



NB100-1277**FOXL2 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	668
Gene Symbol	FOXL2
Species	Human, Mouse, Bovine, Ferret
Reactivity Notes	Use in Bovine, Human, Mouse reported in scientific literature (PMID: 33956944). Ferret reactivity reported in scientific literature (PMID: 25289806).
Immunogen	Peptide with sequence C-DSKTGALHSRLDL corresponding to C-Terminus according to NP_075555.1.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Peptide ELISA, Chromatin Immunoprecipitation (ChIP), Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Immunohistochemistry 8 ug/mL, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 5 ug/mL, Immunohistochemistry-Frozen 1:10 - 1:500, Peptide ELISA Detection limit 1:128000, Immunohistochemistry Whole-Mount 1:10 - 1:500, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	<p>Western blot: Approx. 50kDa band observed in Mouse Ovary lysates and in preliminary testing of Human Uterus and Rat Ovary lysate (calculated MW of 38.9kDa according to Mouse NP_036150.1). This molecular weight is routinely observed by other sources. Primary incubation 1 hour at room temperature.</p> <p>IHC-WhMt usage reported in scientific literature (PMID: 24753105). ICC/IF reported in scientific literature (PMID: 27698028). IHC-Fr reported in scientific literature (PMID: 23091613). ChIP reported in scientific literature (PMID: 30212841). IHC-P reported in scientific literature (PMID: 30304016).</p>

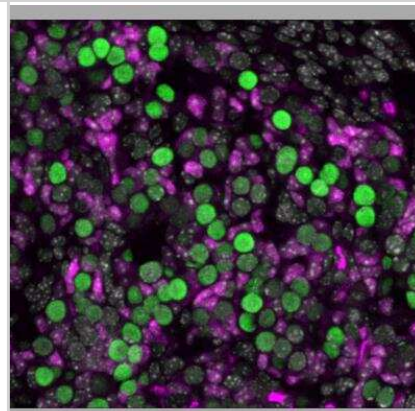


Images

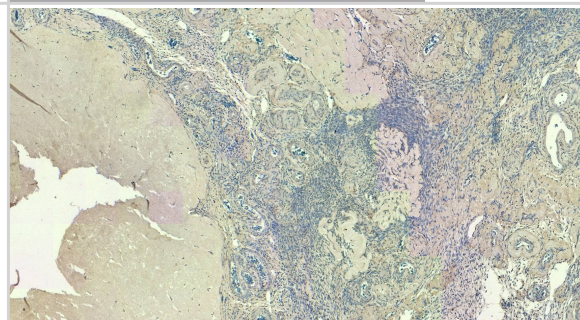
Western Blot: FOXL2 Antibody [NB100-1277] - (1ug/ml) staining of Mouse Ovary lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

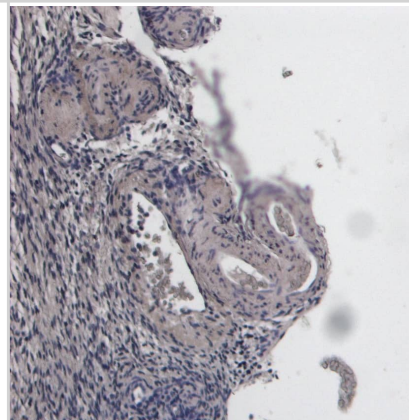
Immunocytochemistry/Immunofluorescence: FOXL2 Antibody [NB100-1277] - Analysis of FOXL2 in PFA-fixed, E14.5 mouse ovary section using anti-FOXL2 antibody (magenta), germ cell marker (green) and hoechst (grey). ICC/IF image submitted by a verified customer review.



Immunohistochemistry-Paraffin: FOXL2 Antibody [NB100-1277] - (8ug/ml) staining of paraffin embedded Human Ovary. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: FOXL2 Antibody [NB100-1277] - Negative Control showing staining of paraffin embedded Human Ovary, with no primary antibody.



Publications

Jasin Taelman, Sylwia M. Czukiewska, Ioannis Moustakas, Yolanda W. Chang, Sanne Hillenius, Talia van der Helm, Lotte E. van der Meeren, Hailiang Mei, Xueying Fan, Susana M. Chuva de Sousa Lopes Characterization of the human fetal gonad and reproductive tract by single-cell transcriptomics *Developmental Cell* 2024-02-26 [PMID: 38295793]

Ting Zhao, Meina He, Zijian Zhu, Tuo Zhang, Wenying Zheng, Shaogang Qin, Meng Gao, Wenji Wang, Ziqi Chen, Jun Han, Longping Liu, Bo Zhou, Haibin Wang, Hua Zhang, Guoliang Xia, Jianbin Wang, Fengchao Wang, Chao Wang P62 promotes FSH-induced antral follicle formation by directing degradation of ubiquitinated WT1 *Cellular and Molecular Life Sciences: CMLS* 2024-05-20 [PMID: 38763964]

Yusuke Murase, Yukihiro Yabuta, Hiroshi Ohta, Chika Yamashiro, Tomonori Nakamura, Takuya Yamamoto, Mitinori Saitou Long-term expansion with germline potential of human primordial germ cell-like cells in vitro. *The EMBO journal* 2021-04-19 [PMID: 32954504]

Baskin L, Cao M, Askel S et al. Ovotesticular cords and ovotesticular follicles: New markers in a model of human mixed ovotestis Differentiation; research in biological diversity 2023-11-19 [PMID: 38000942] (IHC, Human)

Danti L, Lundin K, Sepponen K et al. CRISPR/Cas9-mediated activation of NR5A1 steers female human embryonic stem cell-derived bipotential gonadal-like cells towards a steroidogenic cell fate *J Ovarian Res* 2023-09-20 [PMID: 37726790]

Nicol B, Rodriguez K, Yao HH. Aberrant and constitutive expression of FOXL2 impairs ovarian development and functions in mice *Biology of Reproduction* 2020-10-29 [PMID: 32945847] (Immunohistochemistry-Frozen, Immunocytochemistry/ Immunofluorescence)

Dai Y, Bo Y, Wang P et al. Asynchronous embryonic germ cell development leads to a heterogeneity of postnatal ovarian follicle activation and may influence the timing of puberty onset in mice *BMC Biology* 2022-12-01 [PMID: 35550124]

Thomson E, Tran M, Robevska G et al. Functional genomics analysis identifies loss of HNF1B function as a cause of Mayer-Rokitansky-Küster-Hauser syndrome *Human Molecular Genetics* 2023-03-06 [PMID: 36282544] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence)

Del Valle JS, Mancini V, Laverde Garay M et al. Dynamic in vitro culture of cryopreserved-thawed human ovarian cortical tissue using a microfluidics platform does not improve early folliculogenesis *Front Endocrinol (Lausanne)* 2022-07-29 [PMID: 35966050]

Lim J, Lee HL, Nguyen J et al. Adolescent exposure to low-dose Δ^9 -tetrahydrocannabinol (THC) depletes the ovarian reserve in female mice *Toxicological sciences : an official journal of the Society of Toxicology* 2023-03-13 [PMID: 36912754] (IHC-Fr, Mouse)

Details:
1:200 dilution

Pierson Smela MD, Kramme CC, Fortuna PRJ et al. Directed differentiation of human iPSCs to functional ovarian granulosa-like cells via transcription factor overexpression *eLife* 2023-02-21 [PMID: 36803359] (ICC/IF, Human)

Details:
Dilution used in ICC/IF 1:250

Zhang S, Mu L, Wang H et al. Quantitative proteomic analysis uncovers protein-expression profiles during gonadotropin-dependent folliculogenesis in mice *Biology of reproduction* 2022-12-08 [PMID: 36477298]

More publications at <http://www.novusbio.com/NB100-1277>



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 NB100-1277

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-70013PEP	FOXL2 Antibody Blocking Peptide

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/NB100-1277

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



