

Product Datasheet

Galectin-2 Antibody - BSA Free NBP1-89690

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



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Publications: 6

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NBP1-89690

Galectin-2 Antibody - BSA Free

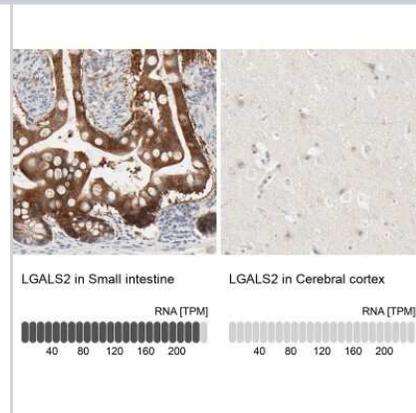
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Galectin-2 Antibody - BSA Free (NBP1-89690) is a polyclonal antibody validated for use in IHC. Anti-Galectin-2 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3957
Gene Symbol	LGALS2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LEVKNMDMKPGSTLKITGSIADGTDGFVINLGQGTDKLNLHFNPRFSESTIVCN SLDGSNWGQEQREDHLCFSPGSEVKFTVTFESDKFKVKLPDGHELTFPNRLG HSHLSYLSVRGGFNMSSFKL

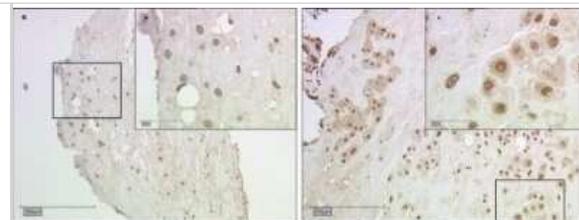
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

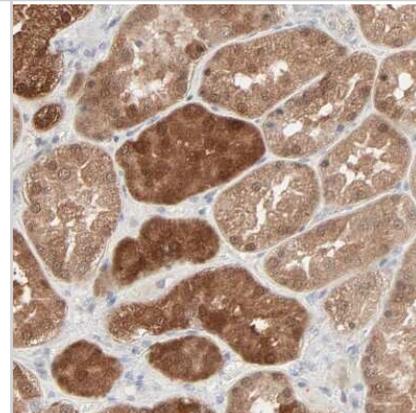
Immunohistochemistry-Paraffin: Galectin-2 Antibody [NBP1-89690] - Staining in human small intestine and cerebral cortex tissues.. Corresponding LGALS2 RNA-seq data are presented for the same tissues.



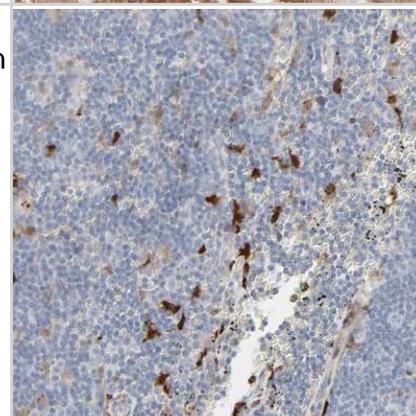
Immunohistochemistry: Galectin-2 Antibody [NBP1-89690] - Galectin-2 expression in the maternal decidua of control and GDM placentas. Pictures show representative slides for immunohistochemical staining of galectin-2, in the maternal decidua of the control placentas. The scale bar equals 200 um in full size images and 50um in inserts. Black rectangles indicate the section seen at a higher magnification (minuscular letters). Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/1422-0067/21/7/2404>), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Galectin-2 Antibody [NBP1-89690] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in tubules.



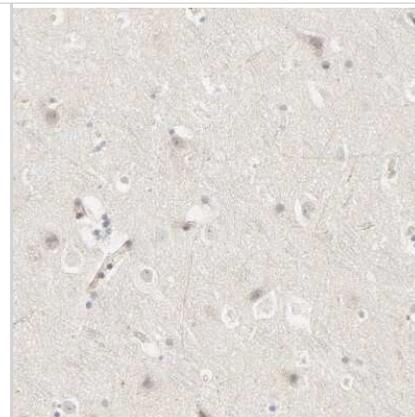
Immunohistochemistry-Paraffin: Galectin-2 Antibody [NBP1-89690] - Staining of human lymph node shows strong cytoplasmic positivity in non-germinal center cells.



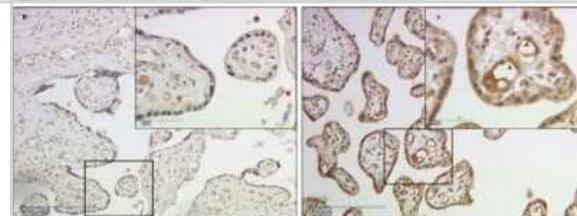
Immunohistochemistry-Paraffin: Galectin-2 Antibody [NBP1-89690] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



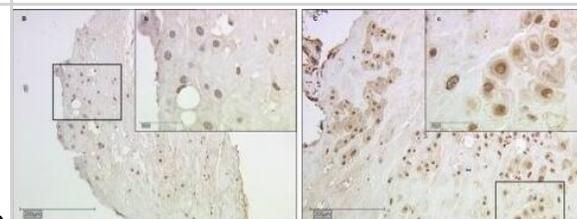
Immunohistochemistry-Paraffin: Galectin-2 Antibody [NBP1-89690] - Staining of human cerebral cortex shows no positivity in neurons.



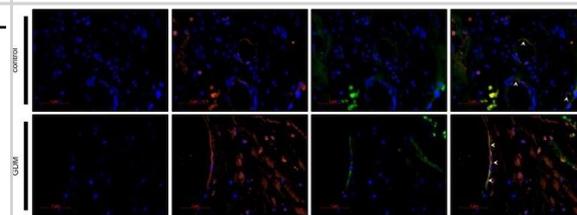
Immunohistochemistry: Galectin-2 Antibody [NBP1-89690] - Galectin-2 expression in syncytiotrophoblast (SCT) of control and gestational diabetes mellitus (GDM) placentas. Pictures show representative slides for immunohistochemical staining of galectin-2 in the SCT of the control placentas. The scale bar equals 200 μ m in full size images and 50 μ m in inserts. Black rectangles indicate the section seen at higher magnification (minuscular letters). Arrow heads show strongly stained fetal endothelial cells. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/1422-0067/21/7/2404>), licensed under a CC-BY license.



Immunohistochemistry: Galectin-2 Antibody [NBP1-89690] - Galectin-2 expression in the maternal decidua of control & GDM placentas. Box & scatter plots (A) showing the IRS for galectin-2 expression in decidua to be significantly higher in GDM placentas ($p = 0.001$). See Figure 1 for a detailed box plot explanation. Pictures show representative slides for immunohistochemical staining of galectin-2, in the maternal decidua of the control (B) & the GDM (C) placentas. The scale bar equals 200 μ m in full size images & 50 μ m in inserts. Black rectangles indicate the section seen at a higher magnification (minuscular letters). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32244351>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



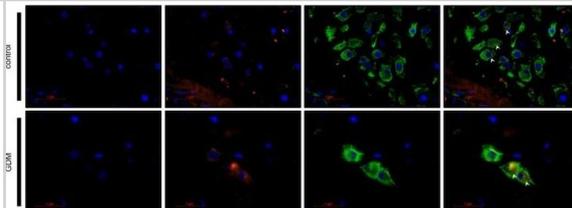
Immunocytochemistry/ Immunofluorescence: Galectin-2 Antibody [NBP1-89690] - Double immunofluorescence phenotyping of villus cells. Nuclei are stained blue using DAPI. Galectin-2, bound by Cy-3-labeled secondary antibody, is stained red. CD31, bound by Cy-2-labeled secondary antibody is stained green, marking fetal endothelial cells. Arrows heads indicate the merging expression of CD31 & galectin-2, visible as yellow. The scale bar equals 1 μ m. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32244351>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunohistochemistry: Galectin-2 Antibody [NBP1-89690] - Immunohistochemistry control staining. Colon tissue was used as positive (A, a) as well as negative (B, b) control, for anti-galectin-2-antibody. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32244351>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunocytochemistry/ Immunofluorescence: Galectin-2 Antibody [NBP1-89690] - Double immunofluorescence phenotyping of decidual cell. Nuclei are stained blue using DAPI. Galectin-2, bound by Cy-3-labeled secondary antibody, is stained red. CK7, bound by Cy-2-labeled secondary antibody is stained green, marking the extra-villous trophoblast (EVT) cells. Arrows heads indicate the merging expression of CK7 & galectin-2 visible as yellow. The scale bar equals 1 μ m. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32244351>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Christina Buschmann, Laura Unverdorben, Julia Knabl, Stefan Hutter, Sarah Meister, Susanne Beyer, Maximiliane Burgmann, Alaleh Zati Zehni, Elisa Schmoeckel, Mirjana Kessler, Udo Jeschke, Tanja K Eggersmann, Sven Mahner, Thomas Kolben, Franziska Ganster Placental expression of inflammatory Galectin-12 is associated with gestational diabetes. *Journal of reproductive immunology* 2024-03-13 [PMID: 38492532]

Buschmann C, Unverdorben L, Knabl J et al. Galectin-10 Expression in Placentas of Women with Gestational Diabetes *Current issues in molecular biology* 2023-11-02 [PMID: 37998731] (IHC, Human)

Schrader S, Unverdorben L, Hutter S et al. Overexpression of galectin-4 in placentas of women with gestational diabetes *Journal of reproductive immunology* 2022-04-16 [PMID: 35468527] (IF/IHC, Human)

Hepp P, Unverdorben L, Hutter S et al. Placental Galectin-2 Expression in Gestational Diabetes: A Systematic, Histological Analysis *Int J Mol Sci* 2020-03-31 [PMID: 32244351] (IF/IHC, Human)

Hutter S, Knabl J, Andergassen U et al. Placental Expression Patterns of Galectin-1, Galectin-2, Galectin-3 and Galectin-13 in Cases of Intrauterine Growth Restriction (IUGR). *Int J Mol Sci* 2016-04-07 [PMID: 27070577] (IF/IHC)

Lindskog C, Asplund A, Engkvist M et al. Antibody-based proteomics for discovery and exploration of proteins expressed in pancreatic islets. *Discov Med* 2010-06-01 [PMID: 20587347]



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NBP1-89690PEP	Galectin-2 Recombinant Protein Antigen
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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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