

Product Datasheet

Neogenin Antibody - BSA Free

NBP1-89651

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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NBP1-89651

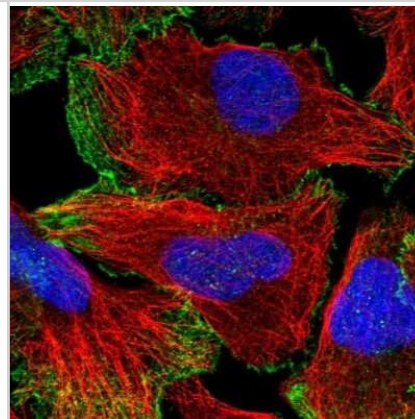
Neogenin Antibody - BSA Free

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 Neogenin Antibody - BSA Free (NBP1-89651) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Neogenin Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4756
Gene Symbol	NEO1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 30333477)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SVNGSHKYKGNSKDVKPPDLWIHHERLELKPIDKSPDPNPIMTDTPIPRNSQDIT PVDNSMDSNIHQRRNSYRGHESEDSMSTLAGR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 30333477)
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

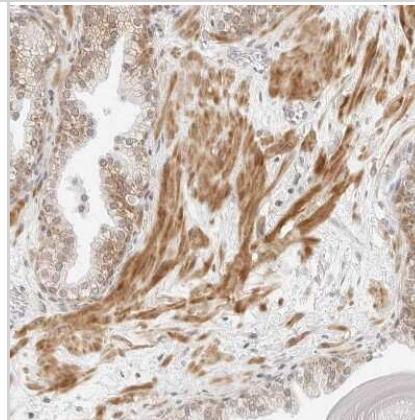


Images

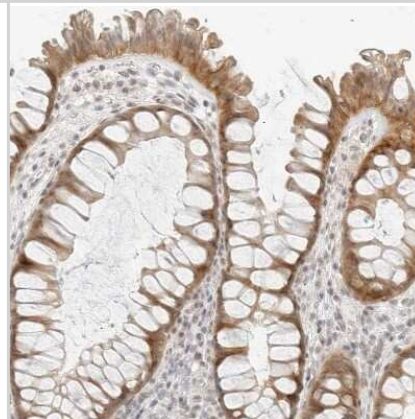
Immunocytochemistry/Immunofluorescence: Neogenin Antibody [NBP1-89651] - Staining of human cell line U-2 OS shows localization to nucleoplasm & plasma membrane. Antibody staining shown in green.



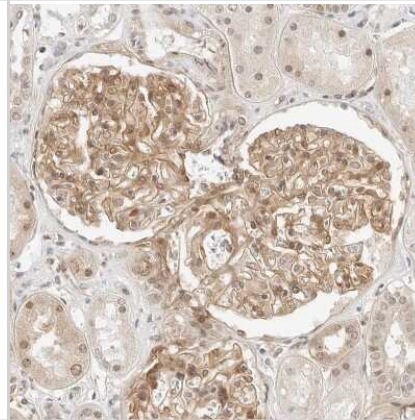
Immunohistochemistry-Paraffin: Neogenin Antibody [NBP1-89651] - Staining of human prostate shows moderate cytoplasmic positivity in smooth muscle cells.



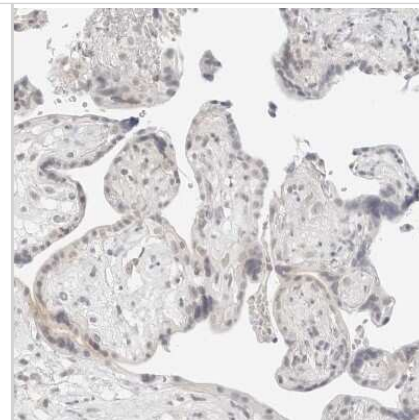
Immunohistochemistry-Paraffin: Neogenin Antibody [NBP1-89651] - Staining of human colon shows moderate cytoplasmic and membranous positivity in glandular cells.



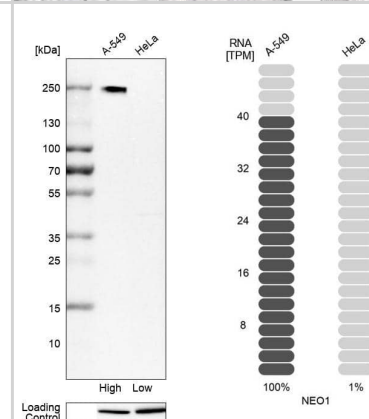
Immunohistochemistry-Paraffin: Neogenin Antibody [NBP1-89651] - Staining of human kidney shows moderate membranous positivity in cells in glomeruli.



Immunohistochemistry-Paraffin: Neogenin Antibody [NBP1-89651] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



Analysis in human cell lines A-549 and HeLa using Anti-NEO1 antibody. Corresponding NEO1 RNA-seq data are presented for the same cell lines. Loading control: Anti-PARP1.



Publications

Xiao H, Shen G, Wang Z et al. Knockdown of RGMa reduces vascular calcification by inhibiting the AKT signaling pathway Scientific Reports 2025-07-09 [PMID: 40634394]

Yuan X, Xiao H, Hu Q et al. RGMa promotes dedifferentiation of vascular smooth muscle cells into a macrophage-like phenotype in $\square$ vivo and in $\square$ vitro Journal of Lipid Research 2022-10-01 [PMID: 36089003] (Immunohistochemistry)

A Abdullah, C Herdenberg, H Hedman Netrin-1 functions as a suppressor of bone morphogenetic protein (BMP) signaling Scientific Reports, 2021-04-21;11(1):8585. 2021-04-21 [PMID: 33883596]

Park JW, Kim YJ, Lee SJ et al. Down-Regulation of Neogenin Decreases Proliferation and Differentiation of Spermatogonia during the Early Phase of Spermatogenesis International journal of molecular sciences 2022-11-25 [PMID: 36499089] (IHC-P, Rat)

Details:
1:100 IHC-P dilution

Untiveros G, Raskind A, Linares L et al. Netrin-1 Stimulates Migration of Neogenin Expressing Aggressive Melanoma Cells International Journal of Molecular Sciences 2022-10-22 [PMID: 36361539] (ICC/IF, Human)

Jiang RC, Zheng XY, Yang SL Et al. CD146 mediates the anti-apoptotic role of Netrin-1 in endothelial progenitor cells under hypoxic conditions Molecular medicine reports 2022-01-01 [PMID: 34738629] (WB, Mouse)

Kim Y, Park Y, Park Y et al. Role of RGMc as a Neogenin Ligand in Follicular Development in the Ovary Biomedicines 2021-03-10 [PMID: 33801938] (WB, Mouse)

Tanabe S, Fujita Y, Ikuma k, Yamashita T. Inhibiting repulsive guidance molecule-a suppresses secondary progression in mouse models of multiple sclerosis. Cell Death Dis. 2018-10-17 [PMID: 30333477] (IHC-Fr, Mouse)

Tanabe S, Yamashita T. Repulsive Guidance Molecule-a Is Involved in Th17-Cell-Induced neurodegeneration in Autoimmune Encephalomyelitis. Cell Rep. 2014-11-20 [PMID: 25456136] (IF/IHC)



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Products Related to NBP1-89651

NBP1-89651PEP	Neogenin 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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