

Product Datasheet

MafA Antibody NBP1-00121

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 17

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-00121

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/NBP1-00121



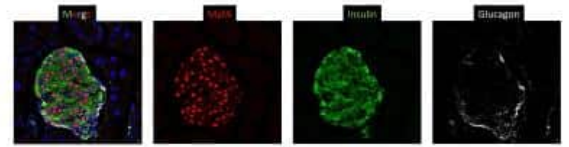
NBP1-00121**MafA Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	0.05 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Product Description	
Host	Rabbit
Gene ID	389692
Gene Symbol	MAFA
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 26495868).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 300 and the C-terminus (residue 359) of mouse v-maf musculoaponeurotic fibrosarcoma oncogene homolog A using the numbering given in entry NP_919331.1 (GeneID 378435).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 26495868) , Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 28705881)/ verified customer review , Immunohistochemistry-Paraffin 1:100-1:500, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 31201281)
Application Notes	Epitope exposure with citrate buffer exposure is recommended. Epitope exposure with citrate buffer will enhance staining. Likely to work with frozen sections. In some cases, the antibody may be diluted further than indicated.

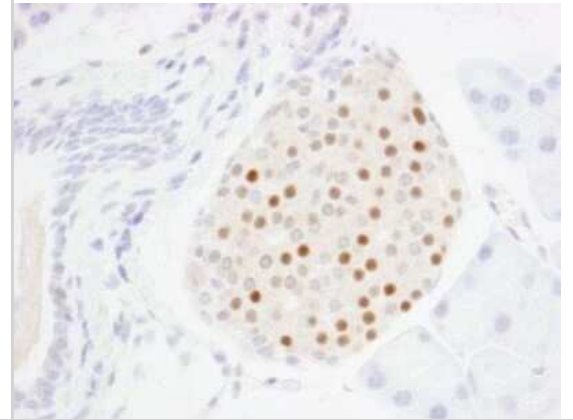


Images

Immunocytochemistry/Immunofluorescence: MafA Antibody [NBP1-00121] - Analysis of MafA in 8-week old mouse pancreatic cryosection using anti-MafA antibody (red). Image from verified customer review.



Immunohistochemistry-Paraffin: MafA Antibody [NBP1-00121] - Section of mouse pancreatic islet. Antibody: Affinity purified rabbit anti-MafA (Cat. No. NBP1-00121) used at a dilution of 1:250.



Publications

Tong X, Stein R. Lipid Droplets Protect Human β -Cells From Lipotoxicity-Induced Stress and Cell Identity Changes Diabetes 2021-11-01 [PMID: 34433630] (Immunocytochemistry/ Immunofluorescence)

Liu Y, Kepple JD, Shalev A, S Hunter C LDB1-mediated transcriptional complexes are sensitive to islet stress Islets 2022-12-31 [PMID: 34968409] (WB, Rat)

Yang, X, Graff, S M Et al. Coregulator Sin3a Promotes Postnatal Murine β -Cell Fitness by Regulating Genes in Ca^{2+} Homeostasis, Cell Survival, Vesicle Biosynthesis, Glucose Metabolism, and Stress Response. Diabetes 2020-06-01 [PMID: 32245798] (ICC/IF, Human)

Walker EM, Cha J, Tong X Et al. Sex-biased islet β cell dysfunction is caused by the MODY MAFA S64F variant by inducing premature aging and senescence in males Cell reports 2021-10-12 [PMID: 34644565]

Galloway J R, Bethea M et al. SSBP3 Interacts With Islet-1 and Ldb1 to Impact Pancreatic β -Cell Target Genes. Mol Endocrinol 2015-01-12 [PMID: 26495868] (WB, Mouse)

Shrestha N, Liu T, Ji Y et Al. Sel1L-Hrd1 ER-associated degradation maintains β -cell identity via TGF- β signaling J. Clin. Invest. 2020-03-17 [PMID: 32182217] (ICC/IF, Mouse)

Jaafar R, Tran S, Shah A et al. mTORC1 to AMPK switching underlies β -cell metabolic plasticity during maturation and diabetes J. Clin. Invest. 2019-07-02 [PMID: 31265435] (ICC/IF, Mouse, Human)

Spaeth JM, Liu JH, Peters D et al. The Pdx1 Bound Swi/Snf Chromatin Remodeling Complex Regulates Pancreatic Progenitor Cell Proliferation and Mature Islet β Cell Function Diabetes 2019-06-14 [PMID: 31201281] (IF/IHC, IHC-Fr, Mouse)

Wade AK, Liu Y, Bethea MM et al. LIM-domain transcription complexes interact with ring-finger ubiquitin ligases and thereby impact islet β -cell function J. Biol. Chem. 2019-06-11 [PMID: 31186351] (WB, Mouse)

Wilson, CS;Spaeth, JM;Karp, J;Stocks, BT;Hoopes, EM;Stein, RW;Moore, DJ; B lymphocytes protect islet β cells in diabetes prone NOD mice treated with imatinib JCI Insight 2019-04-09 [PMID: 30964447] (IF/IHC, Mouse)

Spaeth JM, Gupte M, Perelis M et al. Defining a Novel Role for the PDX1 Transcription Factor in Islet B Cell Maturation and Proliferation During Weaning Diabetes 2017-07-13 [PMID: 28705881] (ICC/IF, Mouse)

Conrad E, Dai C, Spaeth J et al. The MAFB transcription factor impacts islet α -cell function in rodents and represents a unique signature of primate islet β -cells. Am. J. Physiol. Endocrinol. Metab. 2016-01-01 [PMID: 26554594] (IF/IHC, Human)

More publications at <http://www.novusbio.com/NBP1-00121>





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 NBP1-00121

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00389692-Q01-10ug	Recombinant Human MafA GST (N-Term) Protein

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/NBP1-00121

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

