

# Product Datasheet

## MafA Antibody NBP1-00121

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**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	
Description	Novus Biologicals Rabbit MafA Antibody (NBP1-00121) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MafA Antibody: Cited in 18 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
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.





## Publications

Tong X, Stein R. Lipid Droplets Protect Human  $\beta$ -Cells From Lipotoxicity-Induced Stress and Cell Identity Changes Diabetes 2021-11-01 [PMID: 34433630]

Huang C, Walker EM, Dadi PK, Hu R et Al. Synaptotagmin 4 Regulates Pancreatic  $\beta$  Cell Maturation by Modulating the Ca<sup>2+</sup> Sensitivity of Insulin Secretion Vesicles Dev Cell 2018-04-17 [PMID: 29656931]

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  $\beta$ -Cell Fitness by Regulating Genes in Ca<sup>2+</sup> 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  $\beta$  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  $\beta$ -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  $\beta$ -cell identity via TGF- $\beta$  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  $\beta$ -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  $\beta$  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  $\beta$ -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  $\beta$  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)

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





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### **Products Related to NBP1-00121**

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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

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### **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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