

# Product Datasheet

## PRDM16/MEL1 Antibody - BSA Free NBP1-77096

Unit Size: 0.1 mg

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

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### Publications: 8

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**NBP1-77096**

PRDM16/MEL1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	140 kDa

**Product Description**

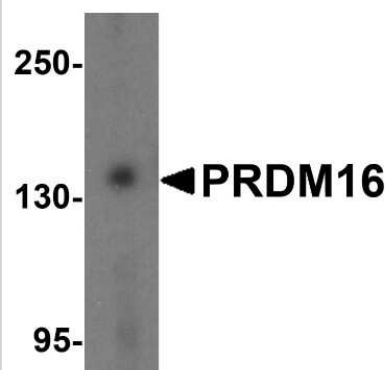
<b>Description</b>	Novus Biologicals Rabbit PRDM16/MEL1 Antibody - BSA Free (NBP1-77096) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-PRDM16/MEL1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	63976
<b>Gene Symbol</b>	PRDM16
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human PRDM16. The immunogen is located within amino acids 1120 - 1170 of PRDM16. Amino Acid Sequence: AGKSQDDTVSPAPEPQA

**Product Application Details**

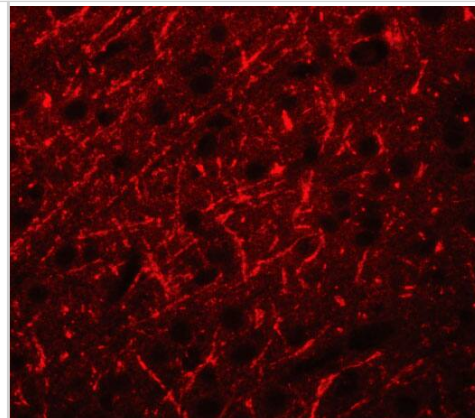
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2 ug/ml

**Images**

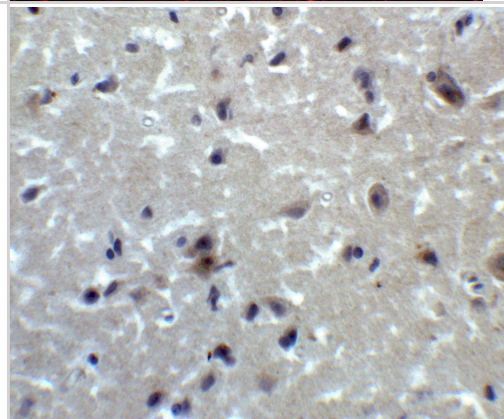
Western Blot: PRDM16/MEL1 Antibody [NBP1-77096] - Analysis of PRDM16 in K562 cell lysate with PRDM16 antibody at 1 ug/mL.



Immunocytochemistry/ Immunofluorescence: PRDM16/MEL1 Antibody - BSA Free [NBP1-77096] - Immunofluorescence of PRDM16/MEL1 in Human Brain cells with PRDM16/MEL1 antibody at 20 u/mL.

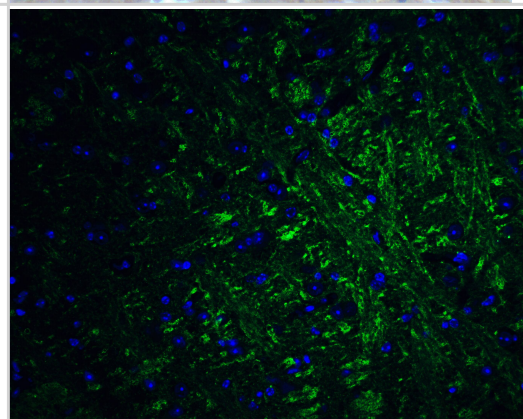


Immunohistochemistry: PRDM16/MEL1 Antibody - BSA Free [NBP1-77096] - Immunohistochemistry of PRDM16/MEL1 in human brain tissue with PRDM16/MEL1 antibody at 2 u/ml.

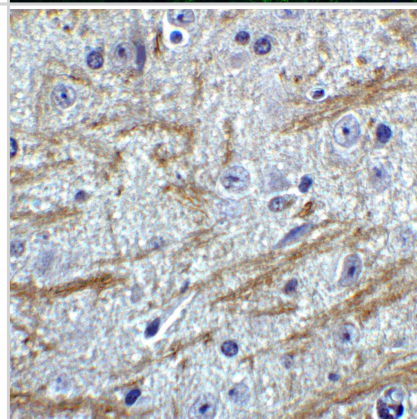


Immunocytochemistry/ Immunofluorescence: PRDM16/MEL1 Antibody - BSA Free [NBP1-77096] - Immunofluorescence of PRDM16/MEL1 in mouse brain tissue with PRDM16/MEL1 antibody at 20 u/ml.

Green: PRDM16/MEL1 Antibody  
Blue: DAPI staining



Immunohistochemistry: PRDM16/MEL1 Antibody - BSA Free [NBP1-77096] - Immunohistochemistry of PRDM16/MEL1 in mouse brain tissue with PRDM16/MEL1 antibody at 2 u/ml.



## Publications

Baskaran P, Nazminia K, Frantz J et al. Mice lacking endogenous TRPV1 express reduced levels of thermogenic proteins and are susceptible to diet-induced obesity and metabolic dysfunction FEBS letters 2021-05-11 [PMID: 33977527] (Western Blot, Mouse)

Cheng L, Shi L, He C et al. Mulberry leaf flavonoids activate BAT and induce browning of WAT to improve type 2 diabetes via regulating the AMPK/SIRT1/PGC-1 $\alpha$  signaling pathway Chinese journal of natural medicines 2023-11-01 [PMID: 38035937]

Cheng L, Shi L, He C et al. Rutin-activated adipose tissue thermogenesis is correlated with increased intestinal short-chain fatty acid levels Phytotherapy research : PTR 2022-04-21 [PMID: 35445769]

Beppu L The role of Blimp-1 transcriptional regulator in adipose-resident Tregs Thesis 2021-01-01

Beppu LY, Mooli R, Qu X et al. Tregs facilitate obesity and insulin resistance via a Blimp-1-IL-10 axis JCI insight 2020-12-22 [PMID: 33351782] (WB, Mouse)

Meyers K, Lopez M, Ho J et al. Lipocalin-2 deficiency may predispose to the progression of spontaneous age-related adiposity in mice Sci Rep 2020-09-03 [PMID: 32883997]

Baskaran P, Covington K, Bennis J et al. Binding Efficacy and Thermogenic Efficiency of Pungent and Nonpungent Analogs of Capsaicin. Molecules 2018-12-04 [PMID: 30518154] (WB, Mouse)

Baskaran P, Krishnan V, Ren J, Thyagarajan B. Capsaicin Induces Browning of White Adipose Tissue and Counters Obesity by activating TRPV1 dependent mechanism. Br. J. Pharmacol. 2016-05-12 [PMID: 27174467] (WB, Mouse)



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### **Products Related to NBP1-77096**

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NBP1-77096PEP	PRDM16/MEL1 Antibody Blocking Peptide
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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