

# Product Datasheet

## MED24 Antibody - BSA Free NB100-74599

Unit Size: 100 ul

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NB100-74599**

MED24 Antibody - BSA Free

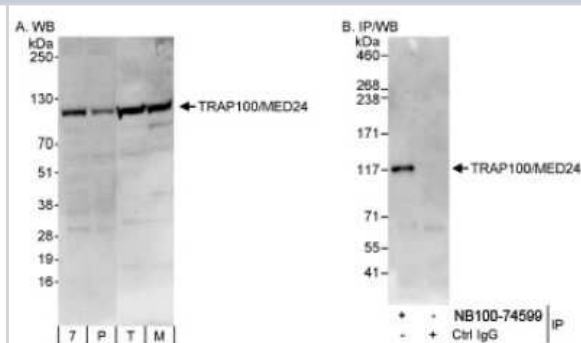
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	110 kDa

Product Description	
Description	Novus Biologicals Rabbit MED24 Antibody - BSA Free (NB100-74599) is a polyclonal antibody validated for use in WB and IP. Anti-MED24 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9862
Gene Symbol	MED24
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 939 and 989 of human thyroid hormone receptor-associated protein complex 100 kDa component (mediator complex subunit 24 ) using the numbering given in entry NP_055630.2 (GeneID 986).

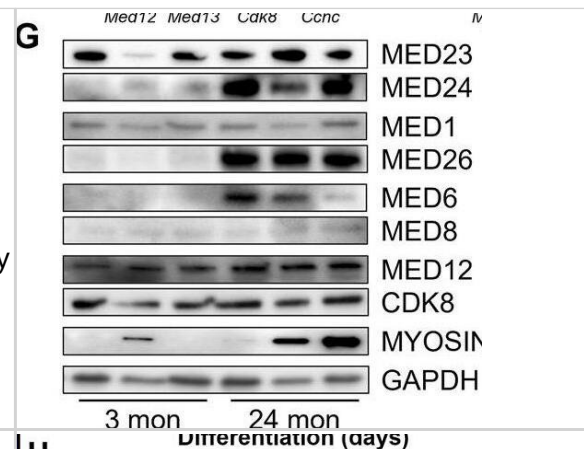
Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate

**Images**

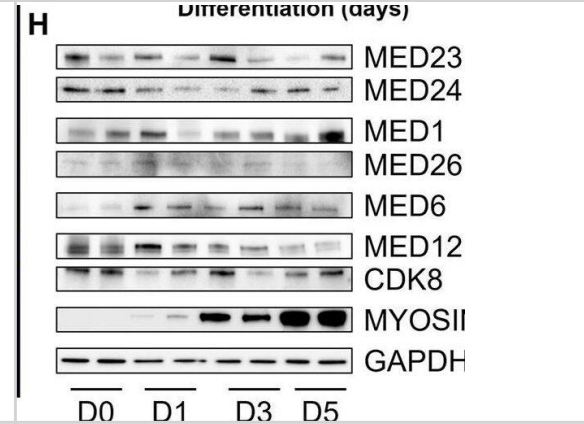
Western Blot: MED24 Antibody [NB100-74599] - Detection of Human and Mouse TRAP100/MED24 on HeLa whole cell lysate using NB100-74599.



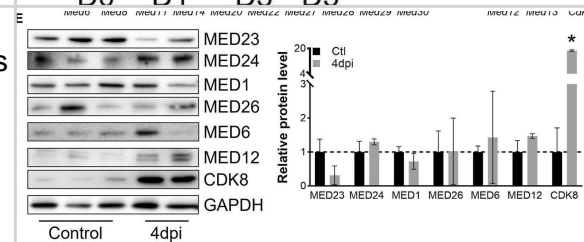
Most Mediator subunits are not altered in aging muscles. (A) Heat map of z-score–transformed expression of Mediator genes from RNA-seq of 10- and 30-months-old wild type (Wt) TA muscles. (B) RT-qPCR of Tail, (C) Middle, (D) Head, and (E) Kinase subunits of Mediator, and (F) myogenic genes in TA muscles from 3- and 24-months-old Wt mice. (G) Protein levels and relative quantification of representative subunits in TA muscles from 3- and 24- months-old Wt mice. N = 3/group, \* $p < 0.05$  compared to 3 months by Welch's t-test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38690566>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



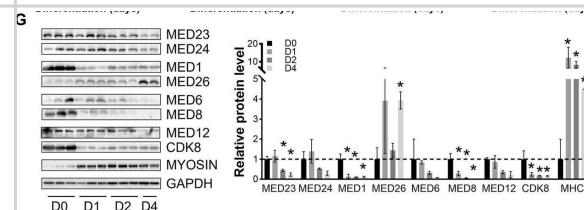
Mediator subunit expression is decreased in differentiated C2C12 myotubes in vitro. (A) Heat map of z-score–transformed expression of Mediator genes from RNA-seq of C2C12 myoblasts (D0) and myotubes (D5) after 5 days of differentiation. (B) RT-qPCR of Tail, (C,D) Middle, (E,F) Head, and (G) Kinase subunits in C2C12 myoblasts (D0) and myotubes after 1, 3, and 5 days of differentiation (D1, D3, D5). (H) Protein levels and relative quantification of representative subunits in C2C12 cells before and after differentiation. N = 3/group, \* $p < 0.05$  compared to D0 by one-way ANOVA with Tukey's multiple comparisons test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38690566>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Mediator subunits are differentially regulated in muscles after injury in vivo. (A) RT-qPCR of Tail, (B) Middle, (C) Head, and (D) Kinase subunits in mouse TA muscles 4 days after injury. (E) Protein levels and relative quantification of representative subunits in TA muscles 4 days after injury. N = 4–10/group, \* $p < 0.05$  compared to Control by Welch's t-test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38690566>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Mediator subunits are temporally regulated during primary mouse myoblast differentiation in vitro. (A) RT-qPCR of Tail, (B,C) Middle, (D,E) Head, and (F) Kinase subunits in primary myoblasts (D0) and myotubes after 1, 2, and 4 days of differentiation (D1, D2, D4). (G) Protein levels and relative quantification of representative subunits in primary muscle cells before and after differentiation. N = 3/group, \* $p < 0.05$  compared to D0 by one-way ANOVA with Tukey's multiple comparisons test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38690566>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Chen X, Zhao J, Gu C et al. Med23 serves as a gatekeeper of the myeloid potential of hematopoietic stem cells. *Nat Commun* 2018-09-14 [PMID: 30218073] (WB, Mouse)



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### **Products Related to NB100-74599**

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NBL1-12988	MED24 Overexpression Lysate
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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