

# Product Datasheet

## MED12 Antibody - BSA Free NB100-2357

Unit Size: 100 ul

Store at 4C. Do not freeze.

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



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### Publications: 13

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**NB100-2357**

MED12 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	243 kDa

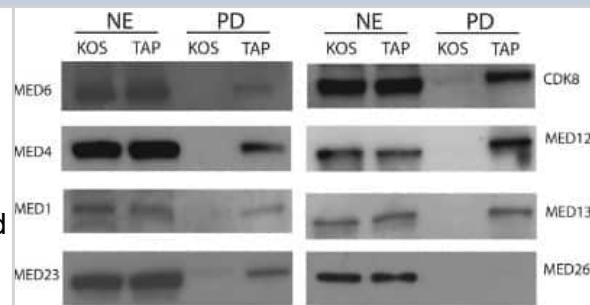
Product Description	
Description	Novus Biologicals Rabbit MED12 Antibody - BSA Free (NB100-2357) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-MED12 Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9968
Gene Symbol	MED12
Species	Human, Mouse, Primate
Reactivity Notes	Primate reactivity reported in scientific literature (PMID: 24147125).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 2150 and the C-terminus (residue 2212) of human Mediator of RNA Polymerase II Transcription, subunit 12 (NP_005111.1).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:500- 1:2000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000, Chromatin Immunoprecipitation (ChIP)
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. Use in chromatin immunoprecipitation reported in scientific literature (PMID: 31089260).

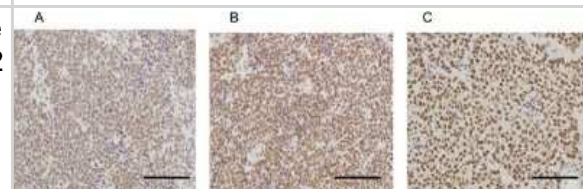


## Images

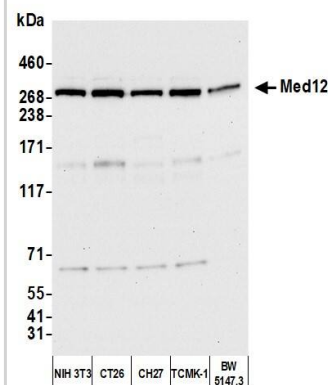
**Western Blot: MED12 Antibody [NB100-2357]** - Components from all modules of Mediator are found in TAP-wtICP4 samples. Western blot analysis of nuclear extracts (NE) or affinity purified (PD) samples using either wtICP4 (KOS) or TAP-wtICP4 (TAP) expressing viruses at 6 hpi. Results of the Western blot analysis for components of the head (Med6), middle (Med4 and Med1), tail (Med23), kinase (cdk8, Med12, and Med13), and the Med26 protein are shown. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0078242>), licensed under a CC-BY license.



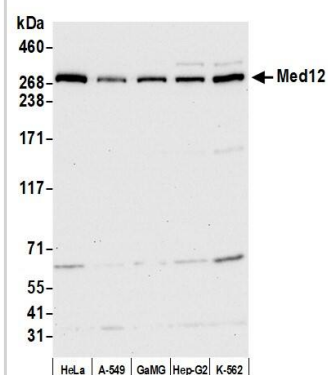
**Immunohistochemistry: MED12 Antibody [NB100-2357]** - Representative examples of immunohistochemically stained sections positive for MED12 (A, B and C) in tumor specimens. Examples are from the same patients, respectively. A. TS = 5, B. TS = 6, C. TS = 6 (x20 original magnification [A, B and C]). Scale bars represent 100 um. TS, total score = intensity score (0-3) plus proportion score (0-3). Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/abstract/14410>), licensed under a CC-BY license.



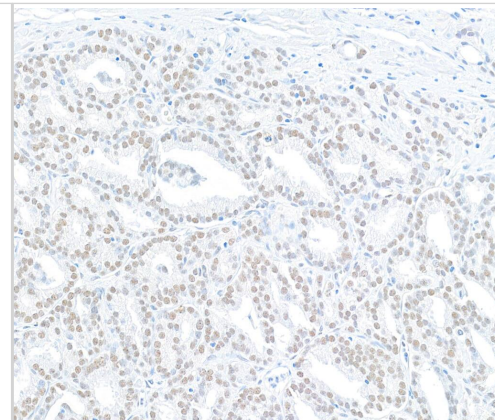
**Western Blot: MED12 Antibody [NB100-2357]** - Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Med12 antibody (NB100-2357 lot 3) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



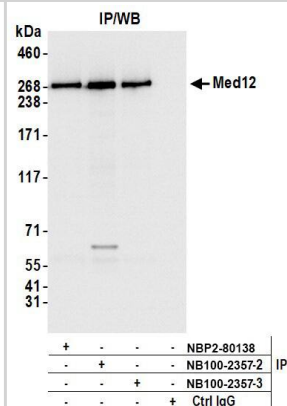
**Western Blot: MED12 Antibody [NB100-2357]** - Samples: Whole cell lysate (10 ug) from HeLa, A-549, GaMG, Hep-G2, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Med12 antibody (NB100-2357 lot 3) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



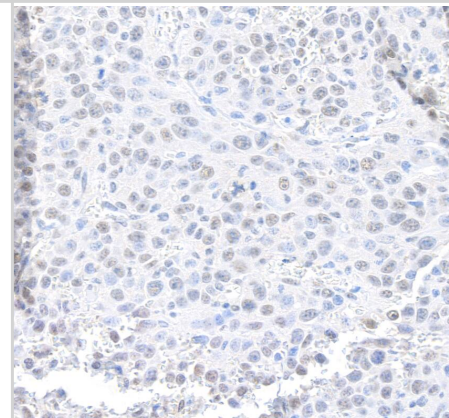
Immunohistochemistry-Paraffin: MED12 Antibody [NB100-2357] -  
 Sample: FFPE section of human prostate carcinoma. Antibody: Affinity  
 purified rabbit anti-MED12 (NB100-2357 Lot 3) used at a dilution of  
 1:5,000 (0.2ug/ml). Detection: DAB



Western Blot: MED12 Antibody [NB100-2357] - Samples: Whole cell  
 lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells  
 prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-  
 Med12 antibody (NB100-2357 lot 3) used for IP at 6 ug per reaction.  
 Med12 was also immunoprecipitated by a previous lot of this antibody  
 (NB100-2357 lot 2) and a second antibody against a different epitope of  
 Med12 (NBP2-80138). For blotting immunoprecipitated Med12, NB100-  
 2357 was used at 0.04 ug/ml. Detection: Chemiluminescence with an  
 exposure time of 1 second.



Immunohistochemistry-Paraffin: MED12 Antibody [NB100-2357] -  
 Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity  
 purified rabbit anti-MED12 (NB100-2357 Lot 3) used at a dilution of  
 1:1,000 (1ug/ml). Detection: DAB



## Publications

Huang TW, Iyer AA, Manalo JM et al. Glial-Specific Deletion of Med12 Results in Rapid Hearing Loss via Degradation of the Stria Vascularis *The Journal of neuroscience : the official journal of the Society for Neuroscience* 2021-07-12 [PMID: 34253626]

Dabral S, Muecke C, Valasarajan C et al. H19 lncRNA identified as a master regulator of genes that drive uterine leiomyomas *Oncogene* 2019-05-15 [PMID: 31089260] (Chemotaxis, Human)

Yokouchi H, Nishihara H, Harada T et al. Immunohistochemical profiling of receptor tyrosine kinases, MED12, and TGF-BRII of surgically resected small cell lung cancer, and the potential of c-kit as a prognostic marker *Oncotarget* 2017-06-13 [PMID: 28055980] (IHC-P, Human)

Rocha PP, Bleiss W, Schrewe H. Mosaic expression of Med12 in female mice leads to exencephaly, spina bifida, and craniorachischisis. *Birth Defects Res A Clin Mol Teratol* 2010-08-01 [PMID: 20589884] (Mouse)

Wagner LM, Deluca NA Temporal Association of Herpes Simplex Virus ICP4 with Cellular Complexes Functioning at Multiple Steps in PolII Transcription *PLoS One* 2013-10-11 [PMID: 24147125] (WB, Primate)

### Details:

*Chlorocebus pygerythrus* (Vervet monkey)

Valdez BC, Nieto Y, Murray D et al. Epigenetic modifiers enhance the synergistic cytotoxicity of combined nucleoside analog-DNA alkylating agents in lymphoma cell lines. *Exp Hematol* 2012-10-01 [PMID: 22687754]

Miyazari Y, Torres-Padilla ME. Control of ground-state pluripotency by allelic regulation of Nanog. *Nature* 2012-02-01 [PMID: 22327294]

Langlais D, Couture C, Sylvain-Drolet G et al. A pituitary-specific enhancer of the POMC gene with preferential activity in corticotrope cells. *Mol Endocrinol* 2011-02-01 [PMID: 21193556]

Ding N, Tomomori-Sato C, Sato S et al. MED19 and MED26 are synergistic functional targets of the RE1 silencing transcription factor in epigenetic silencing of neuronal gene expression. *J Biol Chem* 2009-01-01 [PMID: 19049968]

Tutter AV, Kowalski MP, Baltus GA et al. Role for Med12 in regulation of Nanog and Nanog target genes. *J Biol Chem* 2009-02-01 [PMID: 19036726]

Vogl MR, Reiprich S, Kuspert M et al. Sox10 Cooperates with the Mediator Subunit 12 during Terminal Differentiation of Myelinating Glia *J Neurosci* 2013-04-10 [PMID: 23575864] (WB, Human)

Rocha PP, Scholze M, Bleiss W, Schrewe H. Med12 is essential for early mouse development and for canonical Wnt and Wnt/PCP signaling *Development* 2010-08-01 [PMID: 20630950] (WB, Mouse)

More publications at <http://www.novusbio.com/NB100-2357>





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### **Products Related to NB100-2357**

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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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