

Product Datasheet

MED23 Antibody - BSA Free NB200-338

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB200-338

MED23 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)

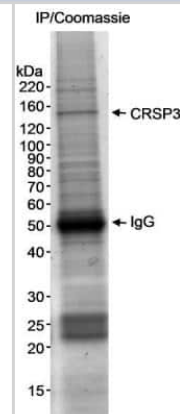
Product Description	
Description	Novus Biologicals Rabbit MED23 Antibody - BSA Free (NB200-338) is a polyclonal antibody validated for use in WB and IP. Anti-MED23 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9439
Gene Symbol	MED23
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25223702).
Immunogen	A synthetic peptide that maps to a region between residues 400 and 450 of human Cofactor Required for Sp1 transcriptional activation, subunit 3 using the numbering given in Swiss-Prot entry Q9ULK4 (GeneID 9439).

Product Application Details	
Applications	Immunoprecipitation, Western Blot (Negative)
Recommended Dilutions	Immunoprecipitation 1-4 ug/mg lysate, Western Blot (Negative)
Application Notes	Western Blot: Not Recommended, use NB 200-339 for WB.

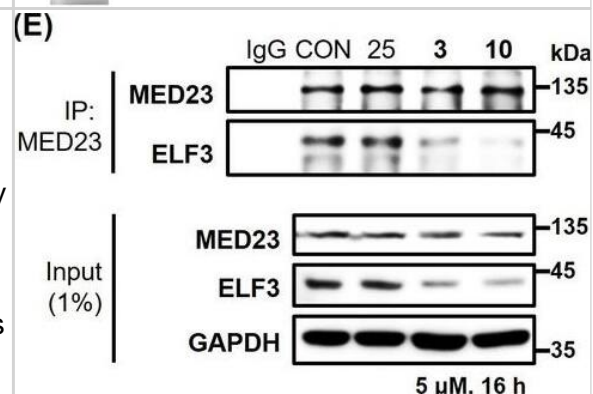


Images

Immunoprecipitation: MED23 Antibody [NB200-338] - Nuclear extract (5 mg) from HeLa cells. Antibody used at 4 ug/5 mg extract.



Identification of compound 10 as potent ELF3-MED23 PPI inhibitor. (A) Synthesized compounds were screened to evaluate their inhibitory activity against ELF3-MED23 PPI. All compounds were used at 10 μ M for 12 h (n=3, mean \pm S.D.). (B) Cell viability was also measured in parallel using the same conditions as for the reporter gene assay in (A) (n=3, mean \pm S.D.). (C) Changes in the HER2 levels were evaluated by treating NCI-N87 cells with the compounds that exhibited high SEAP inhibitory activity in (A). (D) Effect of compound 3, 5, and 10 on mRNA level of HER2 in NCI-N87 was assessed (16 hr treatment at 10 μ M, n=3, mean \pm S.D., ANOVA, ***p<0.001 vs. CON). (E) PPI inhibitory activities of compounds 3 and 10 were evaluated against endogenous ELF3 and MED23. Compound 25 was used as negative control. Figure 3—source data 1. Raw unedited gels for Figure 3C. Figure 3—source data 2. Uncropped and labelled gels for Figure 3C. Figure 3—source data 3. Raw unedited gels for Figure 3E. Figure 3—source data 4. Uncropped and labelled gels for Figure 3E. Raw unedited gels for Figure 3C. Uncropped and labelled gels for Figure 3C. Raw unedited gels for Figure 3E. Uncropped and labelled gels for Figure 3E. Image collected and cropped by CiteAb from the following open publication (<https://elifesciences.org/articles/97051>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Hwang SY, Jeon KH, Lee HJ et al. Synthesis and biological assessment of chalcone and pyrazoline derivatives as novel inhibitor for ELF3-MED23 interaction *Elife* 2024-12-05 [PMID: 39641248]

Liu Z, Yao X, Yan G et al. Mediator MED23 cooperates with RUNX2 to drive osteoblast differentiation and bone development. *Nat Commun.* 2016-04-01 [PMID: 27033977] (IP, Human)

Yao X, Tang Z, Fu X et al. The Mediator subunit MED23 couples H2B mono-ubiquitination to transcriptional control and cell fate determination. *EMBO J.* 2015-09-01 [PMID: 26330467] (CoIP, WB, Human)

Chu Y, Gomez Rosso L, Huang P et al. Liver Med23 ablation improves glucose and lipid metabolism through modulating FOXO1 activity. *Cell Res.* 2014-09-16 [PMID: 25223702] (IP, Mouse)

Terada N, Saitoh Y, Ohno N et al. Essential function of protein 4.1G in targeting of membrane protein palmitoylated 6 into Schmidt-Lanterman incisures in myelinated nerves. *Mol Cell Biol* 2012-01-01 [PMID: 22025680]



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Products Related to NB200-338

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

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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