

Product Datasheet

MDM2/HDM2 Antibody - BSA Free NBP2-17247

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-17247

MDM2/HDM2 Antibody - BSA Free

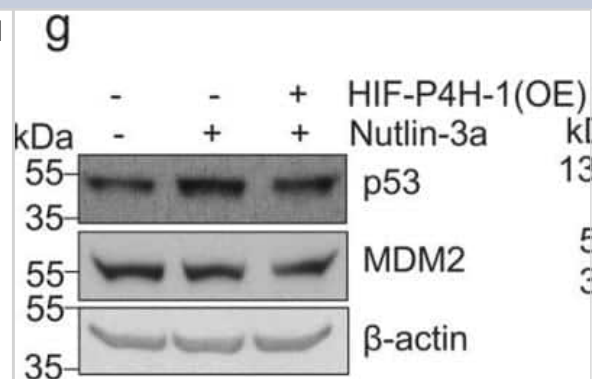
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	55 kDa

Product Description	
Host	Rabbit
Gene ID	4193
Gene Symbol	MDM2
Species	Human, Mouse
Reactivity Notes	Cat (95%), Rat (81%),
Immunogen	Recombinant protein encompassing a sequence within the center region of human MDM2/HDM2. The exact sequence is proprietary.

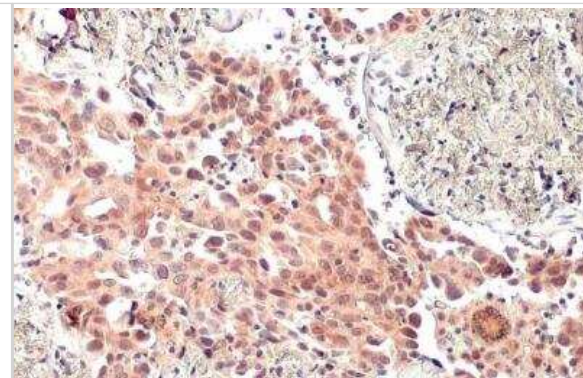
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Chromatin Immunoprecipitation (ChIP)
Application Notes	Chip-Assay dependent

Images

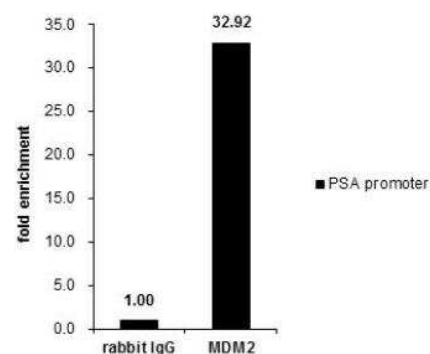
Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Lack of HIF-P4H-1 increases the amount of p53. Western blot analysis of p53 and MDM2/HDM2 in wt MEFs treated with 10 uM nutlin-3a for 24 h with or without overexpression of human HIF-P4H-1 (OE). Anti-beta-actin (NB600-501 1:20 000) Image collected and cropped by CiteAb from the following publication (www.nature.com/articles/s41598-017-17376-0) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: MDM2/HDM2 Antibody [NBP2-17247] - Human lung cancer. MDM2 stained by MDM2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



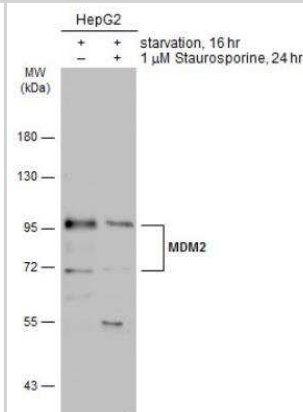
Chromatin Immunoprecipitation: MDM2/HDM2 Antibody [NBP2-17247] - Cross-linked ChIP was performed with PC-3 chromatin extract and 5 ug of either control rabbit IgG or anti-MDM2 antibody. The precipitated DNA was detected by PCR with primer set targeting to PSA promoter.



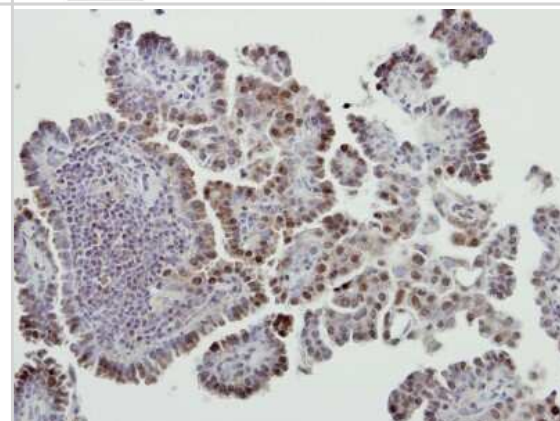
Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Untreated (-) and treated (+) HepG2 whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2 antibody. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

Multiple bands were observed 60 ~ 97 kDa. It is possibly due to alternative splicing.

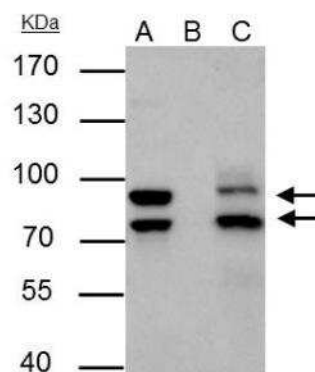
Reference:PMID: 9840926



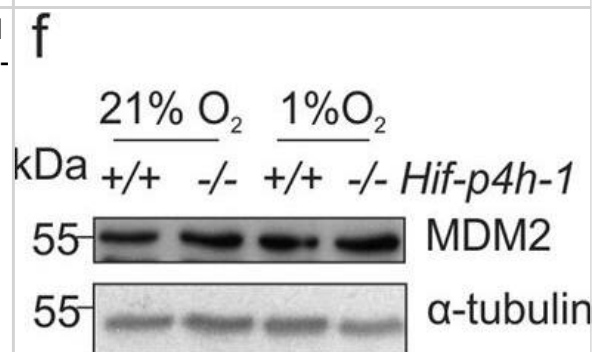
Immunohistochemistry-Paraffin: MDM2/HDM2 Antibody [NBP2-17247] - Human lung cancer, using MDM2 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



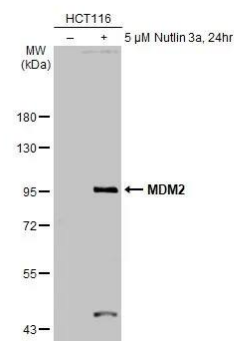
Immunoprecipitation: MDM2/HDM2 Antibody [NBP2-17247] - IP samples: Jurkat whole cell extract A. 30 ug Jurkat cell whole cell extract B. Control with 4 ug of preimmune Rabbit IgG C. Immunoprecipitation of MDM2 protein by 4 ug MDM2 antibody 7.5 % SDS-PAGE The immunoprecipitated MDM2 protein was detected by MDM2 antibody diluted at 1:500. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Lack of HIF-P4H-1 increases the amount of p53. (a) Western blot analysis of p53 in wt & Hif-p4h-1^{-/-} MEFs cultured in 21% or 1% O₂ for 24 h. (b,c) Western blot analysis of p53 in Hif-p4h-1 & scrambled (Scrm) siRNA transfected HEK293 cells (b) & wt MEFs treated with 50 μM FG4497 for 24 h (c). (d) qPCR analysis of p53 mRNA in wt & Hif-p4h-1^{-/-} MEFs cultured in 21% or 1% O₂ for 24 h. (e) Analysis of p53 protein turnover rate. Hif-p4h-1^{-/-} & wt MEFs were treated with 200 μg/ml of cycloheximide for the indicated time points & whole cell lysates were blotted for p53. (f) Western blot analysis of MDM2 in wt & Hif-p4h-1^{-/-} MEFs cultured in 21% or 1% O₂ for 24 h. (g) Western blot analysis of p53 & MDM2 in wt MEFs treated with 10 μM nutlin-3a for 24 h with or without overexpression of human HIF-P4H-1 (OE). (h,i) Western blot analysis of HIF1α in wt & Hif-p4h-1^{-/-} MEFs cultured in 21% or 1% O₂ for 24 h (h) & in scrambled & Hif-p4h-1 siRNA transfected HEK293 cells (i). (j) Western blot analysis of ubiquitination of p53 in Hif-p4h-1 & scrambled siRNA transfected HEK293 cells. The cells were transfected with HA-ubiquitin & endogenous p53 was immunoprecipitated followed by Western blotting with anti-HA & anti-P53 antibodies. (k) Western blot analysis of p53 in Hif-p4h-1^{-/-} & wt MEFs were treated with or without 10 μM MG132 for 5 h. Data are presented as representative Western blots & as mean ± s.d., n = at least 3 individual MEF isolates or experiments. *P < 0.05, **P < 0.01 & ***P < 0.001, two-tailed Student's t-test. Unprocessed original scans of blots are shown in Supplementary Fig. 5. Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-17376-0>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Untreated (-) and treated (+) HCT116 whole cell extract (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2/HDM2 antibody (NBP2-17247) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



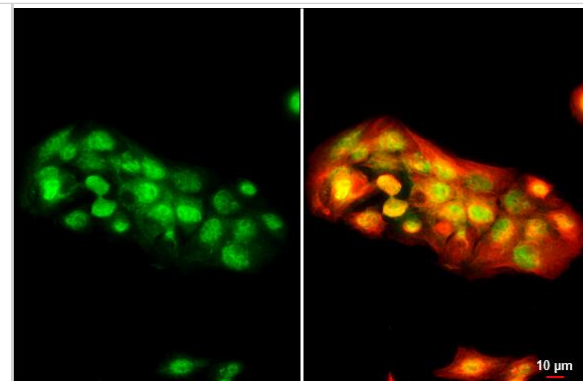
Immunocytochemistry/ Immunofluorescence: MDM2/HDM2 Antibody [NBP2-17247] - MDM2/HDM2 antibody detects MDM2/HDM2 protein at cytoplasm and nucleus by immunofluorescent analysis.

Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min.

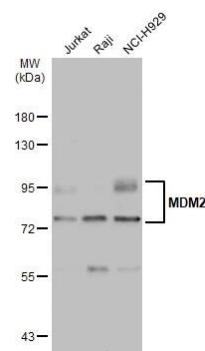
Green: MDM2/HDM2 stained by MDM2/HDM2 antibody (NBP2-17247) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000.

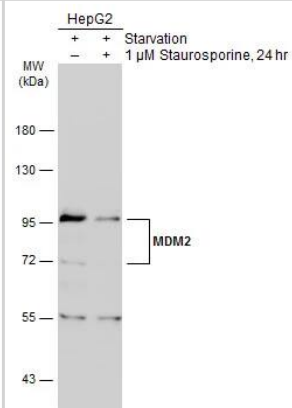
Scale bar= 10um.



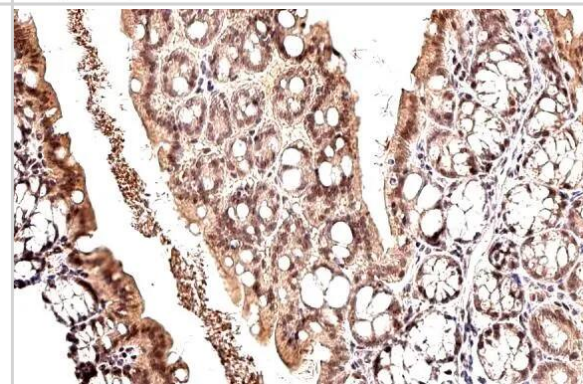
Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2/HDM2 antibody (NBP2-17247) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: MDM2/HDM2 Antibody [NBP2-17247] - Untreated (-) and treated (+) HepG2 whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2/HDM2 antibody (NBP2-17247) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: MDM2/HDM2 Antibody [NBP2-17247] - MDM2/HDM2 antibody detects MDM2/HDM2 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded mouse colon. MDM2/HDM2 stained by MDM2/HDM2 antibody (NBP2-17247) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Ullah K, Rosendahl AH, Izzi V et al. Hypoxia-inducible factor prolyl-4-hydroxylase-1 is a convergent point in the reciprocal negative regulation of NF- κ B and p53 signaling pathways. Sci Rep 2017-12-08 [PMID: 29222481] (WB, Mouse)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
DYC1244-2	MDM2/HDM2 [Biotin]

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