Leader in Biomolecular Solutions for Life Science

www.abclonal.com

MDM2 Rabbit mAb

Catalog No.: A28987 Recombinant

Basic Information

Observed MW
60 kDa/90 kDa

Calculated MW
11kDa/14kDa/24kDa/30kDa/33kDa/35kDa/48kDa/49kDa/55kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse

CloneNo number
ARC3880

Background

This gene encodes a nuclear-localized E3 ubiquitin ligase. The encoded protein can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. This gene is itself transcriptionally-regulated by p53. Overexpression or amplification of this locus is detected in a variety of different cancers. There is a pseudogene for this gene on chromosome 2. Alternative splicing results in a multitude of transcript variants, many of which may be expressed only in tumor cells.

Recommended Dilutions

WB	1:10000 - 1:40000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:100 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
4193

Swiss Prot
Q00987

Immunogen
This information is considered to be commercially sensitive.

Synonyms
HDMX; LSKB; hdm2; ACTFS

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3

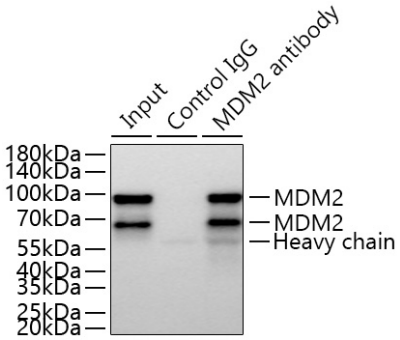
Contact

400-999-6126

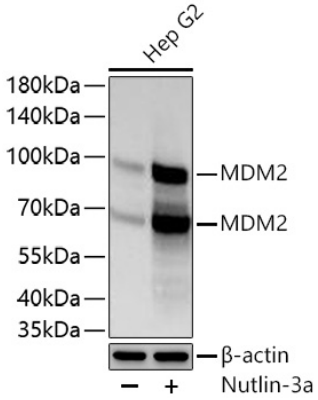
cn.market@abclonal.com.cn

www.abclonal.com.cn

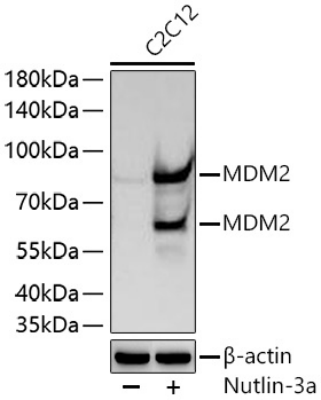
Validation Data



Immunoprecipitation of MDM2 from 300 µg extracts of Hep G2 cells treated with Nutlin-3a (10 µM, 24 h) was performed using 2 µg of MDM2 Rabbit mAb (A28987). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using MDM2 Rabbit mAb (A28987) at a dilution of 1:2000.

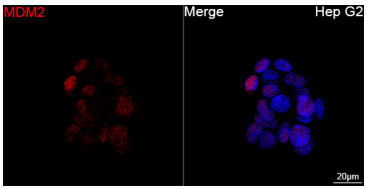


Western blot analysis of lysates from Hep G2 cells using MDM2 Rabbit mAb (A28987) at 1:20000 dilution incubated overnight at 4℃. Hep G2 cells were treated with Nutlin-3a (10 µM) at 37℃ for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.



Western blot analysis of lysates from C2C12 cells using MDM2 Rabbit mAb (A28987) at 1:20000 dilution incubated overnight at 4℃. C2C12 cells were treated with Nutlin-3a (10 µM) at 37℃ for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.

Validation Data



Confocal imaging of Hep G2 cells using MDM2 Rabbit mAb (A28987, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.