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MDM2 Rabbit mAb

Catalog No.: A28779 Recombinant

Basic Information

Observed MW
60 kDa/90 kDa

Calculated MW
55 kDa/49 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Mouse

CloneNo number
ARC81883

Background

Enables p53 binding activity and ubiquitin protein ligase activity. Involved in apoptotic process and positive regulation of muscle cell differentiation. Acts upstream of or within several processes, including blood vessel remodeling; circulatory system development; and traversing start control point of mitotic cell cycle. Located in cytoplasm and nucleolus. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in chronic myeloid leukemia; endocrine gland cancer (multiple); glioblastoma; ichthyosis; and sarcoma. Orthologous to human MDM2 (MDM2 proto-oncogene).

Recommended Dilutions

WB	1:5000-1:25000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:200 - 1:2000
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
17246

Swiss Prot
P23804

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
1700007J15Rik; Mdm-2

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

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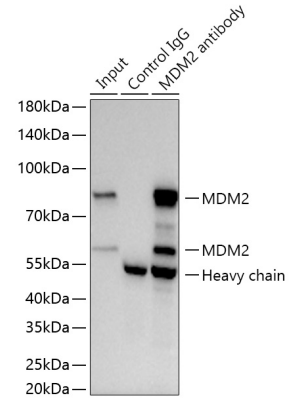
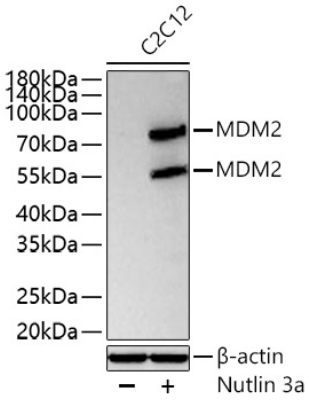
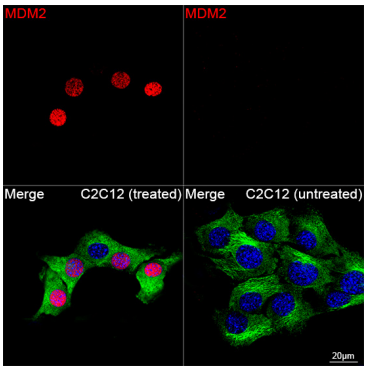
Validation Data



Immunoprecipitation of MDM2 from 300 µg extracts of C2C12 cells treated with Nutlin 3a(10 µM, 24 h) was performed using 2 µg of MDM2 Rabbit mAb (A28779). 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 (A28779) at a dilution of 1:3000.



Western blot analysis of lysates from C2C12 cells using MDM2 Rabbit mAb (A28779) at 1:25000 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: 90 s.



Confocal imaging of C2C12 cells (treated with Nutlin 3a) and C2C12 cells (untreated) using MDM2 Rabbit mAb (A28779, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.