

Basic Information

Product Name	Anti-MDM2 Antibody
Gene Name	MDM2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MDM2, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	90-100 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

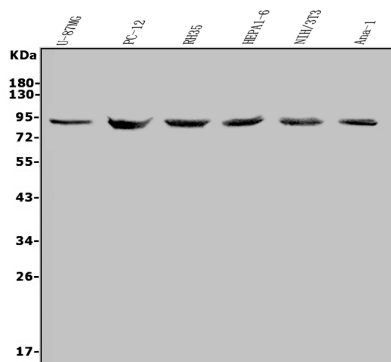
Background Information

Mdm2 is an important negative regulator of the p53 tumor suppressor. It is the name of a gene as well as the protein encoded by that gene. Mdm2 protein functions both as an E3 ubiquity lipase that recognizes the N-terminal trans-activation domain(TAD) of the p53 tumor suppressor and an inhibitor of p53 transcriptional activation. Oliner et al.(1992) used MDM2 clones to localize the human gene to chromosome 12q13-q14 by analysis of human-hamster somatic cell hybrids.

Reference

Anti-MDM2 Antibody被引用在7文献中。

Selected Validation Data



Western blot analysis of MDM2 using anti-MDM2 antibody

(A00054-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Human U-87MG whole cell lysates,

Lane 2: Rat PC-12 whole cell lysates,

Lane 3: Rat RH35 whole cell lysates,

Lane 4: Mouse HEPA1-6 whole cell lysates,

Lane 5: Mouse NIH/3T3 whole cell lysates,

Lane 6: Mouse ANA-1 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-MDM2 antigen

affinity purified polyclonal antibody (A00054-2) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL

Plus Western Blotting Substrate (Catalog # AR1197). A specific

band was detected for MDM2 at approximately 90-100 kDa. The

expected band size for MDM2 is at 55 kDa.