

## Anti-MDM2 Antibody Picoband™

Catalog Number: A00054-2

### About MDM2

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.

### Overview

Product Name	Anti-MDM2 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MDM2 Antibody Picoband™ catalog # A00054-2. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q00987

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MDM2, identical to the related mouse and rat sequences.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.25-0.5ug/ml, Human, Mouse, Rat</p>

## Anti-MDM2 Antibody Picoband™ (A00054-2) Images

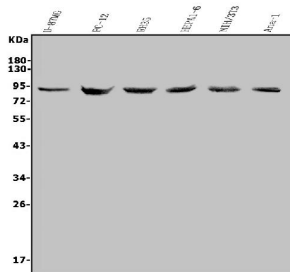


Figure 1. Western blot analysis of MDM2 using anti-MDM2 antibody (A00054-2).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

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

Lane 2: rat PC-12 whole cell lysates,

Lane 3: rat RH-35 whole cell lysates,

Lane 4: mouse HEPA1-6 whole cell lysates,

Lane 5: mouse NTH/3T3 whole cell lysates,

Lane 6: mouse ANA-1 whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MDM2 antigen affinity purified polyclonal antibody (Catalog # A00054-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MDM2 at approximately 90KD. The expected band size for MDM2 is at 90KD.

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## 6 Publications Citing This Product

1. PubMed ID: 10.3892/or.2015.4395, Fra-1 is upregulated in lung cancer tissues and inhibits the apoptosis of lung cancer cells by the P53 signaling pathway

2. PubMed ID: 10.7150/ijms.47360, Lipopolysaccharide Affects the Proliferation and Glucose Metabolism of Cervical Cancer Cells Through the FRA1/MDM2/p53 Pathway

3. PubMed ID: 10.1074/jbc.M115.658468, The Oncoprotein HBXIP Modulates the Feedback Loop of MDM2/p53 to Enhance the Growth of Breast Cancer

Visit [bosterbio.com/anti-mdm2-picoband-trade-antibody-a00054-2-boster.html](http://bosterbio.com/anti-mdm2-picoband-trade-antibody-a00054-2-boster.html) to see all 6 publications.

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