

# Product Datasheet

## MDM2/HDM2 Antibody NBP1-02158SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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**NBP1-02158SS**

MDM2/HDM2 Antibody

| Product Information     |                                       |
|-------------------------|---------------------------------------|
| Unit Size               | 0.025 ml                              |
| Concentration           | 1 mg/ml                               |
| Storage                 | Store at 4C. Do not freeze.           |
| Clonality               | Polyclonal                            |
| Preservative            | 0.1% Sodium Azide                     |
| Isotype                 | IgG                                   |
| Purity                  | Immunogen affinity purified           |
| Buffer                  | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |
| Target Molecular Weight | 56 kDa                                |

| Product Description |                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| Host                | Rabbit                                                                                                      |
| Gene ID             | 4193                                                                                                        |
| Gene Symbol         | MDM2                                                                                                        |
| Species             | Human                                                                                                       |
| Reactivity Notes    | Predicted to react with monkey based on 100% sequence identity.                                             |
| Immunogen           | Synthetic peptide made to an internal portion of human MDM2 (within residues 300-400). [Swiss-Prot# Q00987] |

| Product Application Details |                                                                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot                                                                                                                                                                                                                                                                                            |
| Recommended Dilutions       | Western Blot 1 ug/ml                                                                                                                                                                                                                                                                                    |
| Application Notes           | This MDM2 antibody is useful for Western blot, where a band is seen at ~56 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. |

**Publications**

Carr MI, Roderick JE, Gannon HS et al. Mdm2 Phosphorylation Regulates Its Stability and Has Contrasting Effects on Oncogene and Radiation-Induced Tumorigenesis. Cell Rep 2016-09-06 [PMID: 27568562]



## Procedures

### Protocol specific for MDM2 Antibody (NBP1-02158)

#### Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 30 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH<sub>2</sub>O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-MDM2 primary antibody (NBP1-02158) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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