



# Rabbit Anti-Human MDM2 monoclonal antibody, clone 5I37M5 (CABT-L1470)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Specificity</b>        | This antibody has been successfully used in immunofluorescence and western blot. In western blot applications. This antibody recognizes the 55kD and 75kD isoforms of MDM2. |
| <b>Target</b>             | Mdm2  |
| <b>Immunogen</b>          | Recombinant protein corresponding to amino acids 215-422 of human MDM2.   |
| <b>Isotype</b>            | IgG   |
| <b>Source/Host</b>        | Rabbit  |
| <b>Species Reactivity</b> | Human, Mouse  |
| <b>Clone</b>              | 5I37M5  |
| <b>Purification</b>       | Protein A Purified  |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | ICC, IF, WB   |
| <b>Format</b>             | Liquid  |
| <b>Concentration</b>      | 0.5 mg/ml   |
| <b>Buffer</b>             | PBS   |
| <b>Preservative</b>       | 0.09% Sodium Azide  |
| <b>Storage</b>            | Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C  |

# BACKGROUND

**Introduction**

MDM2 also known as murine double minute 2, is found to interact with p53; a tumor suppressor protein, and has been shown to negatively regulate its function. MDM2 binds and inhibits transactivation role played by p53 and overexpression of MDM2 can result in the inactivation of p53 and in turn decrease its tumor suppressor function. Another process by which MDM2 can inactivate p53 is by degrading p53 as the protein also possesses E3 ubiquitin ligase activity. MDM2 also plays various important roles in apoptosis and cell cycle. MDM2 is located on chromosome 12 on the q arm.

**Keywords**

MDM2;transformed mouse 3T3 cell double minute 2;Mdm-2;AA415488;1700007J15Rik;E3 ubiquitin-protein ligase Mdm2;oncoprotein Mdm2;double minute 2 protein;p53-binding protein Mdm2

# GENE INFORMATION

**Entrez Gene ID**

[4193](#)

**UniProt ID**

[Q00987](#)