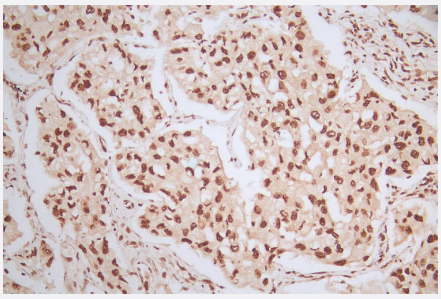
RecomAb™

# MDM2 recombinant monoclonal antibody, clone 14F8

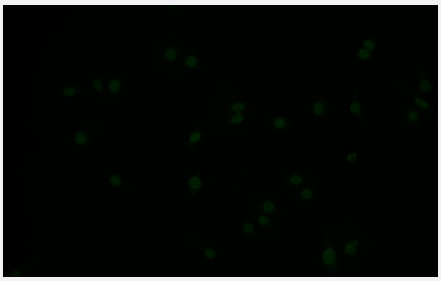
Catalog # RAB07751 Size 100 uL

## Applications



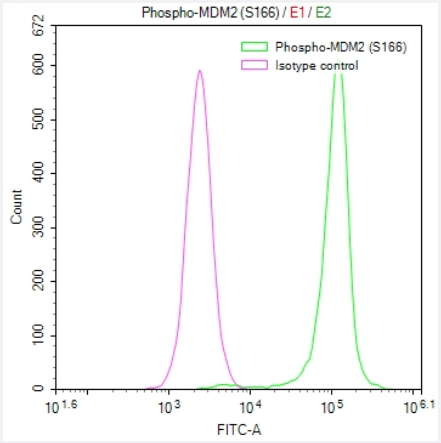
### Immunohistochemistry

Immunohistochemistry image of MDM2 recombinant monoclonal antibody, clone 14F8 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.



### Immunofluorescence

Immunofluorescence staining of HepG2 Cells with MDM2 recombinant monoclonal antibody, clone 14F8 at 1:10, counter-stained with DAPI.




### Flow Cytometry

Overlay Peak curve showing Hela cells stained with MDM2 recombinant monoclonal antibody, clone 14F8 (red line) at 1:50.

## Specification

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| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human MDM2. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human MDM2. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry(1:50-1:200)<br>Immunohistochemistry(1:50-1:200)<br>Immunofluorescence(1:20-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of MDM2 recombinant monoclonal antibody, clone 14F8 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.

- Immunofluorescence

  Immunofluorescence staining of HepG2 Cells with MDM2 recombinant monoclonal antibody, clone 14F8 at 1:10, counter-stained with DAPI.

- Flow Cytometry

  Overlay Peak curve showing Hela cells stained with MDM2 recombinant monoclonal antibody, clone 14F8 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

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## Gene Info — MDM2

| | |
|---|---|
| **Entrez GeneID** | 4193 |
| **Protein Accession#** | Q00987 |
| **Gene Name** | MDM2 |
| **Gene Alias** | HDMX, MGC71221, hdm2 |
| **Gene Description** | Mdm2 p53 binding protein homolog (mouse) |
| **Omim ID** | 164785 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inacti vation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquiti n ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also af fects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, includin g retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcrip t variants have been isolated from both tumor and normal tissues. [provided by RefSeq |
| **Other Designations** | Mdm2, transformed 3T3 cell double minute 2, p53 binding protein\|double minute 2, human homol og of; p53-binding protein\|mouse double minute 2 homolog\|p53-binding protein MDM2\|ubiquitin-p rotein ligase E3 Mdm2 |

## Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Endocytosis
- Glioma
- Melanoma
- p53 signaling pathway
- Pathways in cancer

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- Prostate cancer
- Ubiquitin mediated proteolysis

## Disease

- Abortion
- Acquired Hyperostosis Syndrome
- Acute Disease
- Adenocarcinoma
- Anoxia
- Arthritis
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation
- Cervical Intraepithelial Neoplasia
- Choroid Plexus Neoplasms
- Chromosome Aberrations
- Chronic Disease
- Cocarcinogenesis
- Colon cancer
- Colorectal Neoplasms
- Constriction

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- Critical Illness
- Crohn Disease
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fallopian Tube Neoplasms
- Fibrosis
- Genetic Predisposition to Disease
- Genital Neoplasms
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis
- Hepatitis B
- Hepatitis C
- Hodgkin Disease
- Inflammation
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia

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- Leukoplakia
- Li-Fraumeni Syndrome
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningioma
- Mouth Neoplasms
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma
- Neuroma
- Occupational Diseases
- Oligodendroglioma
- Osteosarcoma
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms

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- Papilloma
- Papillomavirus Infections
- Peritoneal Neoplasms
- Pharyngeal Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Pulmonary Disease
- Recurrence
- Retinal Neoplasms
- Retinoblastoma
- Sepsis
- Skin Neoplasms
- Stomach Neoplasms
- The p53 tumor suppressor protein
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Werner syndrome

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