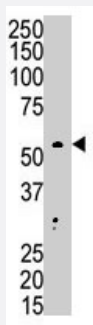


MDM2 polyclonal antibody

Catalog # PAB1729

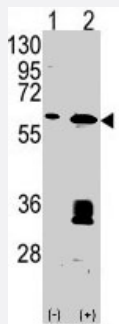
Size 200 uL

Applications



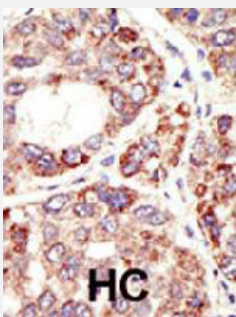
Western Blot (Tissue lysate)

Western blot analysis of MDM2 polyclonal antibody (Cat # PAB1729) in mouse lung tissue lysate. Mdm2 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Western Blot (Transfected lysate)

Western blot analysis of MDM2 (arrow) using MDM2 polyclonal antibody (Cat # PAB1729). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MDM2 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MDM2 polyclonal antibody (Cat # PAB1729), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of MDM2.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MDM2.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — MDM2

Entrez GeneID	4193
Protein Accession#	NP_002383;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 inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript 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 homolog of; p53-binding protein mouse double minute 2 homolog p53-binding protein MDM2 ubiquitin-protein ligase E3 Mdm2

Publication Reference

- [Phage-peptide display identifies the interferon-responsive, death-activated protein kinase family as a novel modifier of MDM2 and p21WAF1.](#)
 Burch LR, Scott M, Pohler E, Meek D, Hupp T.
 Journal of Molecular Biology 2004 Mar; 337(1):115.
- [Mdm2 mRNA expression in salivary gland tumour cell lines.](#)
 Mantesso A, Loducca SV, Bendit I, Garicochea B, Nunes FD, de Araujo VC.
 Journal of Oral Pathology & Medicine 2004 Feb; 33(2):96.
- [Binding of p53-derived ligands to MDM2 induces a variety of long range conformational changes.](#)
 Schon O, Friedler A, Freund S, Fersht AR.
 Journal of Molecular Biology 2004 Feb; 336(1):197.

Pathway

- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)

- [Endocytosis](#)
- [Glioma](#)
- [Melanoma](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [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](#)
- [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](#)
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- [Head and Neck Neoplasms](#)
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- [Hepatitis](#)
- [Hepatitis B](#)
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- [Kidney Failure](#)
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- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [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](#)
- [Papilloma](#)
- [Papillomavirus Infections](#)
- [Peritoneal Neoplasms](#)
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- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
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- [Retinal Neoplasms](#)
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- [Stomach Neoplasms](#)
- [The p53 tumor suppressor protein](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Wegener Granulomatosis](#)
- [Werner syndrome](#)