

Mouse MDM2 Monoclonal Antibody | anti-MDM2 antibody

MDM2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215084	Mouse	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

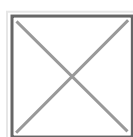
PRODUCT SYNONYMS

MDM2; Monoclonal Antibody; ACTFS; Double minute 2 protein; E3 ubiquitin-protein ligase; Hdm2; HDMX; MDM2 oncogene E3 ubiquitin protein ligase; MDM2BP; Mouse Double Minute 2; MTBP; Murine Double Minute Chromosome 2; p53 Binding Protein Mdm2; p53-binding protein Mdm2; anti-MDM2 antibody

PRODUCT SPECIFICATIONS

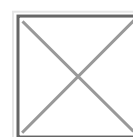
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SMP14
Specificity	MDM2 is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53. It can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. Overexpression of MDM2 can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. Overexpression of MDM2 protein is detected in a variety of cancers.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	497
Applicable Applications for anti-MDM2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Positive Control	HepG2 cells. Breast Carcinoma.
Immunogen	A synthetic peptide (aa 154-167) of human MDM2 protein.
Cellular Localization	Nuclear
Hu-chromosome Location	12q15
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human breast carcinoma stained with MDM2 Mouse Monoclonal Antibody (SMP14).



SDS-PAGE

SDS-PAGE Analysis Purified MDM2 Mouse Monoclonal Antibody (SMP14). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of human HepG2 cell lysate using MDM2 Mouse Monoclonal Antibody (SMP14).

ADDITIONAL INFORMATION

References	Thway K, et al. Am J Surg Pathol. 2012 Mar;36(3):462-9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89993689
NCBI GeneID	4193
NCBI Accession #	NP_002383.2
NCBI GenBank Nucleotide #	NP_002383.2
UniProt Accession #	Q00987
Molecular Weight	~90kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase Mdm2 isoform a
NCBI Official Synonym Full Names	MDM2 proto-oncogene
NCBI Official Symbol	MDM2
NCBI Official Synonym Symbols	HDMX; hdm2; ACTFS
NCBI Protein Information	E3 ubiquitin-protein ligase Mdm2
UniProt Protein Name	E3 ubiquitin-protein ligase Mdm2
UniProt Gene Name	MDM2
UniProt Synonym Gene Names	Hdm2
UniProt Entry Name	MDM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mdm2-antibody-clone-smp14-immunohistochemistry-western-blot-elisa/215084>