

Mouse MDM2 Monoclonal Antibody | anti-MDM2 antibody

MDM2

CATALOG # AAA214776	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry, Western Blot
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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. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MDM2/2414
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	296
Applicable Applications for anti-MDM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant human MDM2 protein fragment (around aa 126-254) (exact sequence is proprietary)
Positive Control	A549 or HeLa Cells. Pancreas
Cellular Localization	Nuclear
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



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using MDM2 Mouse Monoclonal Antibody (MDM2/2414). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Human Pancreas stained with MDM2 Mouse Monoclonal Antibody (MDM2/2414).

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 #	223890205
NCBI GeneID	4193
NCBI Accession #	NP_001138811.1
NCBI GenBank Nucleotide #	NM_001145339.2
UniProt Accession #	Q00987; Q13226; Q13297; Q13298; Q13299; Q13300; Q13301; Q53XW0; Q71TW9; Q8WYJ1; A6NL51; A8K2S6
Molecular Weight	~90kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase Mdm2 isoform h
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

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-mdm2-2414-immunohistochemistry-western-blot-elisa/214776>