

anti-Human, Mouse MDMX Polyclonal Antibody | anti-MDMX antibody

Anti-MDMX Antibody

CATALOG # AAA46339	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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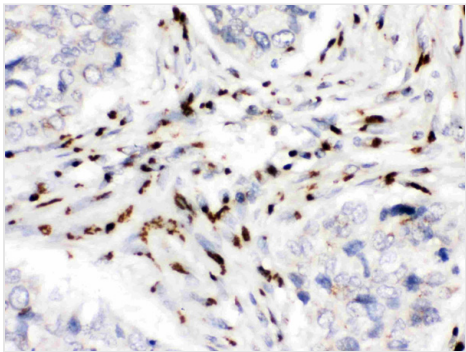
PRODUCT SYNONYMS

MDMX; Polyclonal Antibody; Anti-MDMX Antibody; Protein Mdm4; DKFZp781B1423; Double minute 4; Double minute 4 human homolog of p53 binding protein; Double minute 4 protein; HDMX; MDM 4; Mdm2 like p53 binding protein; Mdm2-like p53-binding protein; MDM4; Mdm4 p53 binding protein homolog mouse; Mdm4 protein; MDM4 related protein 1; Mdm4 transformed 3T3 cell double minute 4; Mdm4 transformed 3T3 cell double minute 4 p53 binding protein; Mdm4 transformed 3T3 cell double minute 4 p53 binding protein mouse; MDM4_HUMAN; Mdmx protein; MGC132766; Mouse double minute 4 homolog; Mouse double minute 4 human homolog of p53 binding protein; MRP 1; MRP1; p53 binding protein; p53 BINDING PROTEIN MDM4; p53-binding protein Mdm4; Protein Mdmx; p53 regulator; anti-MDMX antibody

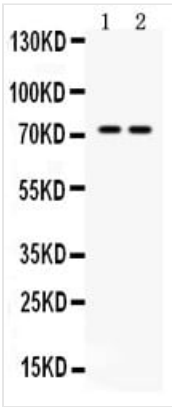
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	440
Applicable Applications for anti-MDMX antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MDMX (35-72aa KILHAAGAQGEMFTVKEVMHYLGQYIMVKQLYDQQEQH), different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
MDMX was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- MDMX Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of MDMX expression in mouse testis extract (lane 1) and 22RV1 whole cell lysates (lane 2). MDMX at75KD was detected using rabbit anti- MDMX Antigen Affinity purified polyclonal antibody at0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-MDMX antibody	Description: Rabbit IgG polyclonal antibody for Protein Mdm4(MDM4) detection. Tested with WB, IHC-P in Human;Mouse. Background: Protein Mdm4 is a protein that in humans is encoded by the MDM4 gene. This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
References	1. "Entrez Gene: MDM4 Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)". 2. Kadakia M, Brown TL, McGorry MM, Berberich SJ (Dec 2002). "MdmX inhibits Smad transactivation". Oncogene21 (57): 8776-85. 3. Shvarts A, Bazuine M, Dekker P, Ramos YF, Steegenga WT, Merckx G, van Ham RC, van der Houven van Oordt W, van der Eb AJ, Jochemsen AG (Sep 1997). "Isolation and identification of the human homolog of a new p53-binding protein, Mdmx". Genomics 43 (1): 34-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	323510634
NCBI GeneID	4194
NCBI Accession #	NP_001191100.1
NCBI GenBank Nucleotide #	NM_001204171.1
UniProt Accession #	O15151; Q2M2Y2; Q32SL2; Q6GS18; Q8IV83
Molecular Weight	49,541 Da
NCBI Official Full Name	protein Mdm4 isoform 2
NCBI Official Synonym Full Names	MDM4, p53 regulator
NCBI Official Symbol	MDM4
NCBI Official Synonym Symbols	HDMX; MDMX; MRP1
NCBI Protein Information	protein Mdm4

UniProt Protein Name	Protein Mdm4
UniProt Gene Name	MDM4
UniProt Synonym Gene Names	MDMX
UniProt Entry Name	MDM4_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/polyclonal/mdmx-antibody-immunohistochemistry-western-blot-elisa/46339>