

MDMX Mouse mAb

CatalogNo: YM0433

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,IHC,IF,ELISA

MW

- 55kD (Calculated)

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:200-1:1000

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Monoclonal

Clone Number 5C6

Immunogen Information

Immunogen Purified recombinant fragment of human MDMX expressed in E. Coli.

Specificity MDMX Monoclonal Antibody detects endogenous levels of MDMX protein.

| Target Information

Gene name MDM4

Protein Name Protein Mdm4

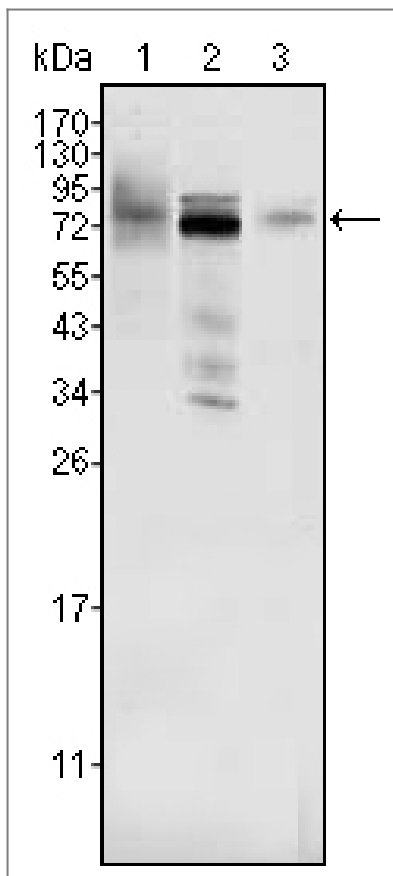
Organism	Gene ID	UniProt ID
Human	4194 ;	O15151 ;
Mouse		O35618 ;

Cellular Localization Nucleus.

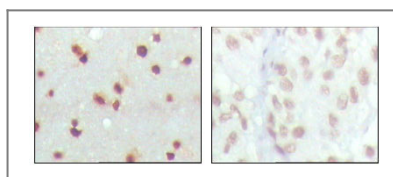
Tissue specificity Expressed in all tissues tested with high levels in thymus.

Function Alternative products:Additional isoforms seem to exist,Domain:Region I is sufficient for binding p53 and inhibiting its G1 arrest and apoptosis functions. It also binds p73. Region II contains most of a central acidic region and a putative C4-type zinc finger. The RING finger domain which coordinates two molecules of zinc mediates the heterooligomerization with MDM2.,Function:Inhibits p53- and p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of p53 while maintaining suppression of p53 transactivation and apoptotic functions.,mass spectrometry: PubMed:11840567,similarity:Belongs to the MDM2/MDM4 family.,similarity:Contains 1 RanBP2-type zinc finger.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SWIB domain.,subunit:Binds to p53, p73 and MDM2.,tissue specificity:In all tissues tested, with high levels in thymus.,

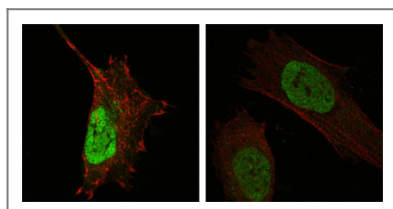
| Validation Data



Western Blot analysis using MDMX Monoclonal Antibody against HeLa (1), A549 (2) and A431 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human cerebra (left) and lung carcinoma (right) tissues, showing nuclear localization with DAB staining using MDMX Monoclonal Antibody.



Confocal immunofluorescence analysis of HeLa (left) and L-02 (right) cells using MDMX Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

Contact information

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MDMX Mouse mAb