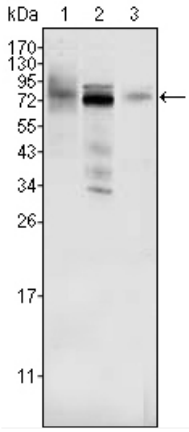
MDMX Monoclonal Antibody

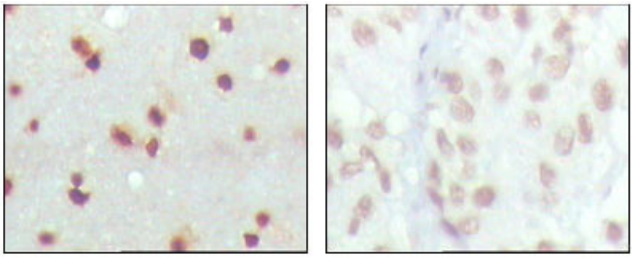
Catalog No	BYab-00074
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	MDM4
Protein Name	Protein Mdm4
Immunogen	Purified recombinant fragment of human MDMX expressed in E. Coli.
Specificity	MDMX Monoclonal Antibody detects endogenous levels of MDMX protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MDM4; MDMX; Protein Mdm4; Double minute 4 protein; Mdm2-like p53-binding protein; Protein Mdmx; p53-binding protein Mdm4
Observed Band	
Cell Pathway	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 specif
Background	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. [provided by RefSeq, Feb 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

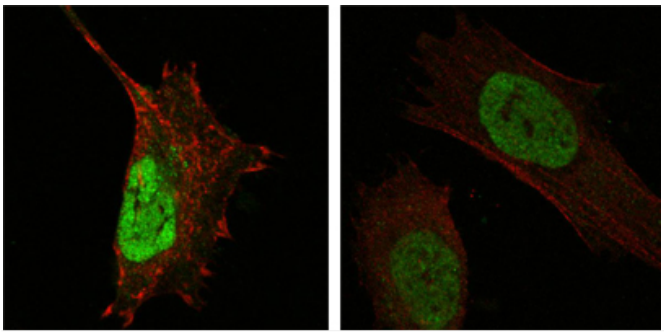
Products Images



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.