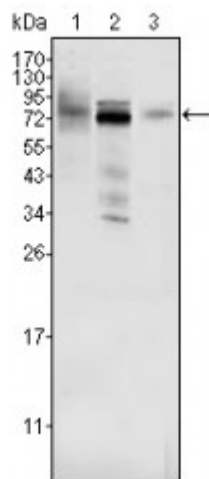


Anti-MDMX antibody



Description	Mouse monoclonal to MDMX.
Model	STJ98235
Host	Mouse
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Purified recombinant fragment of human MDMX expressed in E. Coli.
Gene ID	4194
Gene Symbol	MDM4
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000
Specificity	MDMX Monoclonal Antibody detects endogenous levels of MDMX protein.
Tissue Specificity	Expressed in all tissues tested with high levels in thymus.
Purification	Affinity purification
Clone ID	2D10F4
Note	For Research Use Only (RUO).
Protein Name	Protein Mdm4 Double minute 4 protein Mdm2-like p53-binding protein Protein Mdmx p53-binding protein Mdm4
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6974OMIM:602704
Alternative Names	Protein Mdm4 Double minute 4 protein Mdm2-like p53-binding protein Protein Mdmx p53-binding protein Mdm4
Function	Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.
Sequence and Domain Family	Region I is sufficient for binding TP53 and inhibiting its G1 arrest and apoptosis functions. It also binds TP73. 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.
Cellular Localization	Nucleus.
Post-translational Modifications	Phosphorylated. Phosphorylation at Ser-367 promotes interaction with YWHAG and subsequent ubiquitination and degradation. Phosphorylation at Ser-342 also induces ubiquitination and degradation but to a lower extent. Ubiquitinated and degraded by MDM2. Deubiquitination by USP2 on the other hand stabilizes the MDM4 protein.