



# Anti-MDM2 (aa 177-198) polyclonal antibody (DPABH-28560)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	E3 ubiquitin-protein ligase that mediates ubiquitination of p53/TP53, leading to its degradation by the proteasome. Inhibits p53/TP53- and p73/TP73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Also acts as an ubiquitin ligase E3 toward itself and ARRB1. Permits the nuclear export of p53/TP53. Promotes proteasome-dependent ubiquitin-independent degradation of retinoblastoma RB1 protein. Inhibits DAXX-mediated apoptosis by inducing its ubiquitination and degradation. Component of the TRIM28/KAP1-MDM2-p53/TP53 complex involved in stabilizing p53/TP53. Also component of the TRIM28/KAP1-ERBB4-MDM2 complex which links growth factor and DNA damage response pathways.
<b>Specificity</b>	Specific for phosphorylated MDM 2, giving a band in western blotting at approx 102 kD.
<b>Immunogen</b>	Synthetic peptide: HRKRRRSLSFDPSLGLCELRE, corresponding to amino acids 177-198 of Mouse MDM2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, 0.01% Sodium Azide, pH 7.2
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MDM2 transformed mouse 3T3 cell double minute 3 [ Mus musculus ]</a>
<b>Official Symbol</b>	MDM2
<b>Synonyms</b>	MDM2; transformed mouse 3T3 cell double minute 2; Mdm-2; AA415488; 1700007J15Rik; E3 ubiquitin-protein ligase Mdm2; oncoprotein Mdm2; double minute 2 protein; p53-binding protein Mdm2;
<b>Entrez Gene ID</b>	<a href="#">17246</a>
<b>Protein Refseq</b>	<a href="#">NP_001275515.1</a>
<b>UniProt ID</b>	<a href="#">P23804</a>
<b>Pathway</b>	AKT phosphorylates targets in the cytosol; Androgen Receptor Signaling Pathway; Bladder cancer; Cell Cycle
<b>Function</b>	UDP-N-acetylmuramoylalanyl-D-glutamyl-2,6-diaminopimelate-D-alanyl-D-alanine ligase activity; coenzyme F420-0 gamma-glutamyl ligase activity; coenzyme F420-2 alpha-glutamyl ligase activity; enzyme binding