



Anti-MDM2 polyclonal antibody (DPABY-748)

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

PRODUCT INFORMATION

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|------------------------------|---|
| Antigen Description | 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 TP53/p53. Promotes proteasome-dependent ubiquitin-independent degradation of retinoblastoma RB1 protein. Inhibits DAXX-mediated apoptosis by inducing its ubiquitination and degradation. |
| Immunogen | C-DELSGERQKRHKSD |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Human |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Conjugate | Unconjugated |
| Applications | ELISA Pr*, WB |
| Cellular Localization | Expressed predominantly in the nucleoplasm. Interaction with ARF(P14) results in the localization of both proteins to the nucleolus. The nucleolar localization signals in both ARF(P14) and MDM2 may be necessary to allow efficient nucleolar localization. |
| Positive Control | The peptide used to produce this antibody is available for purchase. |
| Format | Liquid |
| Concentration | 0.5 mg/ml |
| Size | 100 µg |

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|---------------------|--|
| Buffer | Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| Preservative | 0.02% Sodium Azide |
| Storage | Aliquot and store at -34°C. Minimize freezing and thawing. |

GENE INFORMATION

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|----------------------------|---|
| Gene Name | MDM2 MDM2 proto-oncogene, E3 ubiquitin protein ligase [Homo sapiens (human)] |
| Official Symbol | MDM2 |
| Synonyms | MDM2; MDM2 proto-oncogene, E3 ubiquitin protein ligase; HDMX; hdm2; ACTFS; E3 ubiquitin-protein ligase Mdm2; oncoprotein Mdm2; MDM2 oncogene, E3 ubiquitin protein ligase; Mdm2, p53 E3 ubiquitin protein ligase homolog; double minute 2, human homolog of; p5 |
| Entrez Gene ID | 4193 |
| Protein Refseq | NP_001138809 |
| UniProt ID | A7UKX8 |
| Chromosome Location | 12q14.3-q15 |
| Pathway | AKT phosphorylates targets in the cytosol; Adaptive Immune System; Androgen receptor signaling pathway; Apoptosis; Aurora A signaling; Bladder cancer; Cell Cycle; Cell Cycle Checkpoints; |
| Function | enzyme binding; identical protein binding; ligase activity; p53 binding; peroxisome proliferator activated receptor binding; protein binding; scaffold protein binding; ubiquitin protein ligase binding; ubiquitin-protein transferase activity; zinc ion bind |