

## Product Datasheet

### MDM2 antibody GRP9

#### Description

This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues. [provided by RefSeq]

#### Species/Host

Rabbit

#### Reactivity

Human, Mouse

#### Conjugation

Unconjugated

#### Tested Applications

ChIP, ICC, IF, IHC-P, IP, WB

#### Immunogen

Recombinant protein encompassing a sequence within the center region of human MDM2. The exact sequence is proprietary.

#### Form/Appearance

Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

#### Concentration

0.76 mg/ml

#### Storage

Store as concentrated solution. Centrifuge briefly prior to opening. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

#### Note

For research use only.

#### Isotype

IgG

#### Clonality

Polyclonal

#### Purity

Purified by antigen-affinity chromatography.

#### Uniprot ID

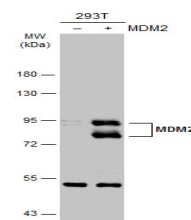
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#### Entrez

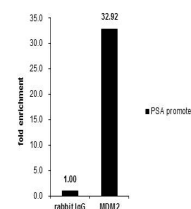
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#### Dilution Range

WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000, IP: 1:100-1:500



Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2 antibody (GRP461) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the



Cross-linked ChIP was performed with PC-3 chromatin extract and 5 µg of either control rabbit IgG or anti-MDM2 antibody. The precipitated DNA was detected by PCR with primer set targeting to PSA promoter.