Human MDM2/HDM2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 197702

Catalog Number: MAB1244

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MDM2/HDM2.
Source	Monoclonal Mouse IgG_{2B} Clone # 197702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MDM2/HDM2 Asn3-Pro491 Accession # Q00987
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

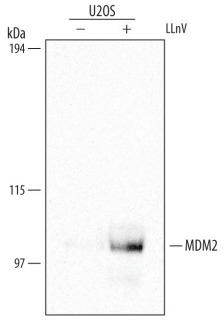
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunoprecipitation	2.5 µg/500 µg cell lysate	See Below

DATA

Immunoprecipitation



Immunoprecipitation of Human MDM2. U2OS human osteosarcoma cell line was untreated (-) or treated (+) with proteasome inhibitor LLnV for 1 hour. MDM2 was immunoprecipitated from 500 µg of cell lysate following incubation with 2-3 µg Mouse Anti-Human MDM2 Monoclonal Antibody (Catalog # MAB1244) for 1 hour on ice. MDM2-antibody complexes were absorbed using goat anti-mouse agarose (Sigma). Immunoprecipitated MDM2 was detected by Western blot using 1 µg/mL Human/Mouse/Rat MDM2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1244). View our recommended buffer recipes for immunoprecipitation.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

MDM2 is a key regulator of p53 tumor suppressor protein activity and stability. MDM2 binds to and inhibits the transactivation domain of p53. In addition, MDM2 controls p53 stability by functioning as its E3 ligase in ubiquitination and by shuttling p53 from the nucleus to the cytoplasm for subsequent degradation. The importance of the p53/MDM2 relationship is underscored by the existence of an autoregulatory feedback loop whereby activated p53 transcriptionally upregulates the expression of its own inhibitor, MDM2.

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