

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat MDM2.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MDM2 Asn3-Pro491 Accession # Q00987
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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 up-regulates the expression of its own inhibitor, MDM2.

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