

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat MAD2L1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MAD2L1 Met1-Asp205 Accession # Q13257
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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

MAD2L1 (Mitotic arrest deficient protein 2) is a component of the spindle-attachment checkpoint mechanism that monitors kinetochore spindle attachment and leads to the subsequent arrest in early metaphase by its recruitment to unattached kinetochores. The transition from metaphase to anaphase requires the association of the anaphase promoting complex/cyclosome (APC/C) with Cdc20 leading to the ubiquitylation and subsequent degradation of Pds1/Securin. This transition is delayed by the inhibitory association of MAD2L1 with Cdc20. MAD2L1 has also been shown to be a direct E2F target and as such is aberrantly expressed in cells with retinoblastoma pathway defects.

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