

Datasheet for ABIN6700261

MDM2 Protein (AA 1-118) (His tag)



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Overview

Quantity:	20 µg
Target:	MDM2
Protein Characteristics:	AA 1-118
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MDM2 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	MDM2(1-118) recombinant protein-HIS Epitope
Purification:	Recombinant human MDM2 (1-118) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Purity:	>85%

Target Details

Target:	MDM2
Alternative Name:	MDM2 (MDM2 Products)
Background:	<p>Synonyms: HDMX, hdm2, MGC71221, E3 ubiquitin-protein ligase Mdm2</p> <p>Background: MDM2 is a nuclear phosphoprotein that binds and inhibits transactivation by p53, as part of an autoregulatory negative feedback loop (1). Overexpression of the MDM2 gene</p>

Target Details

product can lead to excessive inactivation of p53 thereby diminishing its tumor suppressor function. The inactivation of p53 is mediated by the E3 ubiquitin ligase activity of MDM2 which targets p53 for proteasomal degradation. MDM2 also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5 (2). Amplification of MDM2 is frequently observed in human sarcomas and this is consistent with the hypothesis that MDM2 binds to p53 which then leads to escape from p53-regulated growth control. MDM2 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, AKT/PKB Pathway, Apoptosis/Autophagy, Cancer, Cell Cycle, and Cellular Stress research.

NCBI Accession:	NM_002392
Pathways:	p53 Signaling , PI3K-Akt Signaling , Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Autophagy , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: MDM2 Protein is suitable for use in Western Blot. Expect a band approximately ~17.5 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	MDM2 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months