Datasheet for ABIN6700263

MDM4-binding Protein Protein (AA 1-137) (His tag)

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Overview

Quantity:	20 µg
Target:	MDM4-binding Protein (MDM4)
Protein Characteristics:	AA 1-137
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MDM4-binding Protein protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	MDM4(1-137) recombinant protein-HIS Epitope
Purification:	Recombinant human MDM4 (1-137) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	MDM4-binding Protein (MDM4)
Alternative Name:	MDM4 (MDM4 Products)
Background:	Synonyms: DKFZp781B1423, HDMX, MDMX, MGC132766, MRP1, Protein Mdm4, Double minute 4 protein, Mdm2-like p53-binding protein, Protein Mdmx, p53-binding protein Mdm4 Background: MDM4 is a nuclear protein that contains a p53 binding domain at the N-terminus

Target Details

	and a RING finger domain at the C-terminus. MDM4 shows structural similarity to p53-binding protein MDM2 and both proteins bind the p53 tumor suppressor protein and inhibit its activity. However, unlike MDM2, MDM4 does not cause nuclear export or degradation of p53. Instead, MDM4 inhibits p53 activity by binding to the transcriptional activation domain of p53. MDM4 is overexpressed in a variety of human cancers (1). Expression level of MDM4 is significantly higher in chronic lymphocytic leukemia. MDM4 is a specific chemotherapeutic target for treating retinoblastoma (2). MDM4 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_002393
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: MDM4 Protein is suitable for use in Western Blot. Expect a band approximately ~17.3 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:	MDM4 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