Datasheet for ABIN2792185

anti-MDM4-binding Protein antibody (N-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	MDM4-binding Protein (MDM4)
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Rabbit, Pig, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MDM4-binding Protein antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MDM4
Sequence:	IPSQDQLKQS AEESSTSRKR TTEDDIPTLP TSEHKCIHSR EDEDLIENLA
Predicted Reactivity:	Cow: 80%, Dog: 93%, Horse: 93%, Human: 100%, Pig: 86%, Rabbit: 80%
Characteristics:	This is a rabbit polyclonal antibody against MDM4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MDM4-binding Protein (MDM4)
Alternative Name:	MDM4 (MDM4 Products)

Target Details

Background:	MDM4 inhibits p53- and p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. It inhibits degradation of MDM2. It can reverse MDM2-targeted degradation of p53 while maintaining suppression of p53 transactivation and apoptotic functions. The human MDM4 gene, which plays a role in apoptosis, encodes a 490-amino acid protein containing a RING finger domain and a putative nuclear localization signal. The MDM4 putative nuclear localization signal, which all Mdm proteins contain, is located in the C-terminal region of the protein. The mRNA is expressed at a high level in thymus and at lower levels in all other tissues tested. MDM4 protein produced by in vitro translation interacts with p53 via a binding domain located in the N-terminal region of the MDM4 protein. MDM4 shows significant structural similarity to p53-binding protein MDM2. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: DKFZp781B1423, MDMX, MGC132766, MRP1, HDMX Protein Interaction Partner: RNF115, CAPN7, CD160, MDM2, TP53, UBC, MDM4, USP2, YWHAG, UBE2D2, PRKAA1, BCL2, RPS20, RPS15, RPL37, YWHAQ, HSP90AA1, CSNK1A1, PPP1CC, PPP1CB, PPP1CA, RB1, APP, UBE2D3, UBE2D1, MNAT1, ABL1, LRSAM1, TRIM55, TRIM46, MKRN3, YWHAZ, YWHAE, YWHAB, CDKN1A, RFWD2 Protein Size: 490
Molecular Weight:	55 kDa
Gene ID:	4194
NCBI Accession:	NM_002393, NP_002384
UniProt:	O15151
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 490 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

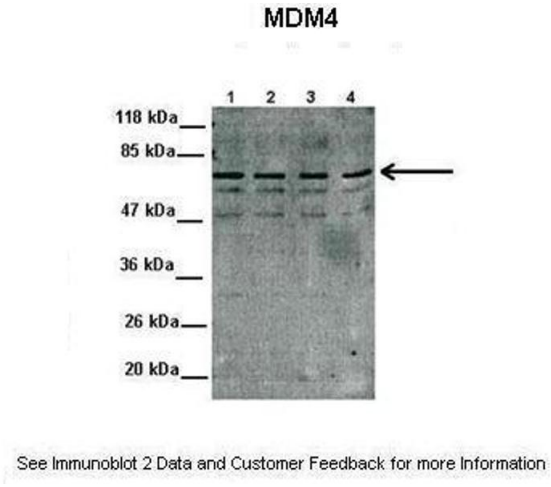
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Reid, van Roon-Mom, Wood, Rees, Owen, Faull, Dragunow, Snell: "TBP, a polyglutamine tract containing protein, accumulates in Alzheimer's disease." in: **Brain research. Molecular brain research**, Vol. 125, Issue 1-2, pp. 120-8, (2004) (PubMed).

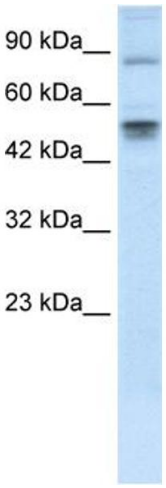
Images



See Immunoblot 2 Data and Customer Feedback for more Information

Western Blotting

Image 1. Lanes: 1. 10 ug MCF7 cell lysate 2. 10 ug MCF7 cell lysate 3. 10 ug MCF7 cell lysate 4. 10 ug MCF7 cell lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-Rabbit HRP Secondary Antibody Dilution: 1:10,000 Gene Name: MDM4 Submitted by: Anonymous



Western Blotting

Image 2. WB Suggested Anti-MDM4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate

