

MDM2 Antibody

Catalog No: #21436

Package Size: #21436-1 50ul #21436-2 100ul

Description

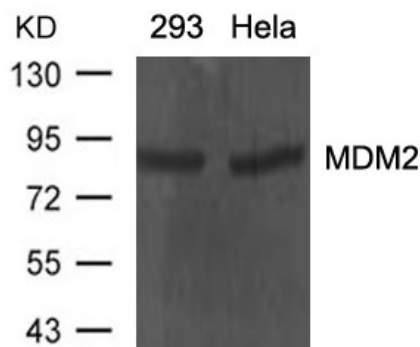
Product Name	MDM2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MDM2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.18~22(Q-I-P-A-S) derived from Human MDM2.
Conjugates	Unconjugated
Target Name	MDM2
Other Names	HDMX; hdm2;
Accession No.	Swiss-Prot: Q00987NCBI Protein: NP_002383.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 90kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 293 and HeLa cells using MDM2 Antibody #21436.

Background

MDM2, a ubiquitin ligase for p53, plays a central role in regulation of the stability of p53 . Akt-mediated phosphorylation of MDM2 at Ser166 and Ser186 increases its interaction with p300, allowing MDM2-mediated ubiquitination and degradation of p53 . Phosphorylation of MDM2 also blocks its binding to p19ARF, increasing the degradation of p53 .

Haupt, Y. et al. (1997) Nature 387, 296-299.

Mayo, L.D. and Donner, D.B. (2001) Proc. Natl. Acad. Sci. USA 98, 11598-11603.

Zhou, B. P. et al. (2001) Nat. Cell Biol. 3, 973-981.

Grossman, S. R. et al. (1998) Mol. Cell 2, 405-415.

Published Papers

el at., Developing Light-Switchable Affibody-Based Inhibitors of Key Interactions in the p53 Network, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.