MDM2(Ab-166) Antibody

Catalog No: #21550

Package Size: #21550-1 50ul #21550-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MDM2(Ab-166) 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 IHC IF
Species Reactivity	Hu Ms Rt Monkey
Specificity	The antibody detects endogenous level of total MDM2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.164~168 (A-T-S-E-T) derived from Human MDM2.
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 Mg2+ and Ca2+), 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

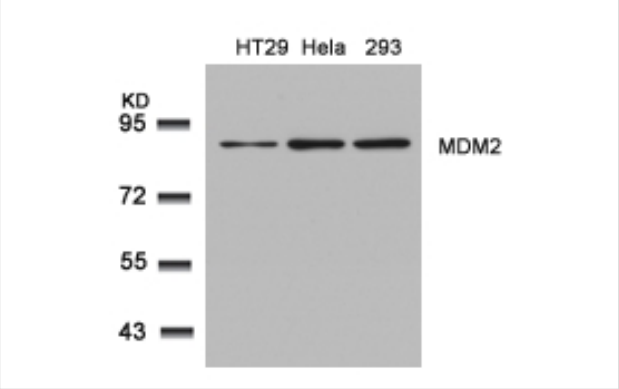
Predicted MW: 90kd

Western blotting: 1:500~1:1000

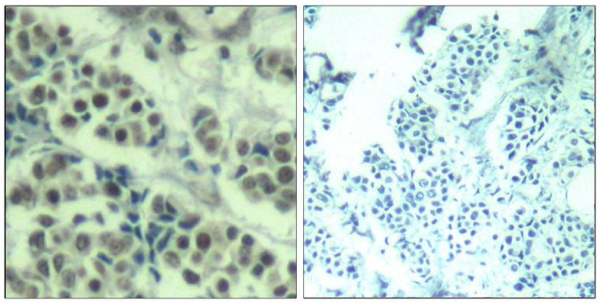
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

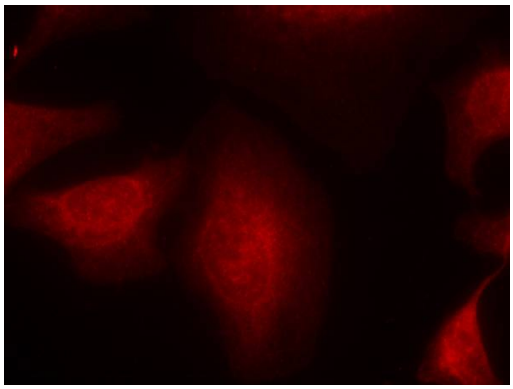
Images



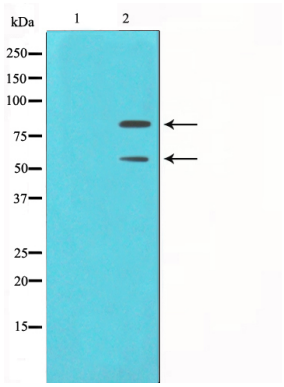
Western blot analysis of extracts from HT29, Hela and 293 cells using MDM2(Ab-166) Antibody #21550.



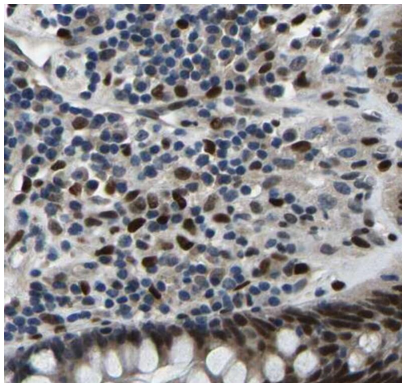
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MDM2(Ab-166) Antibody #21550(left) or the same antibody preincubated with blocking peptide(right).



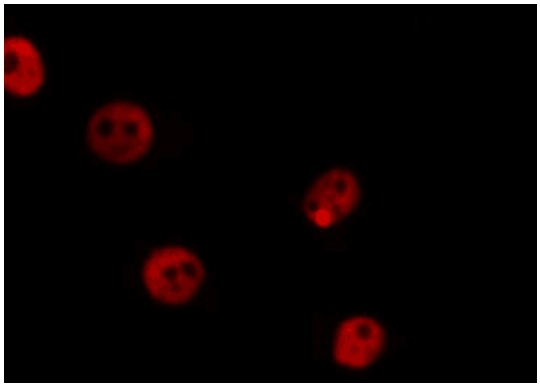
Immunofluorescence staining of methanol-fixed Hela cells using MDM2(Ab-166) Antibody #21550.



Western blot analysis on COS7 cell lysates using MDM2 Antibody. The lane on the left was treated with the antigen-specific peptide.



This image is a courtesy of anonymous review



21550 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Background

This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues

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

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

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

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

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