MDM2(Ab-166) Antibody

Catalog No: #21550

Package Size: #21550-1 50ul #21550-2 100ul #21550-4 25ul

Overview

Product Name	MDM2(Ab-166) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Human Mouse Rat
Immunogen Type	Peptide-KLH
Target Name	MDM2
Alternative Names	HDMX, hdm2

Application Details

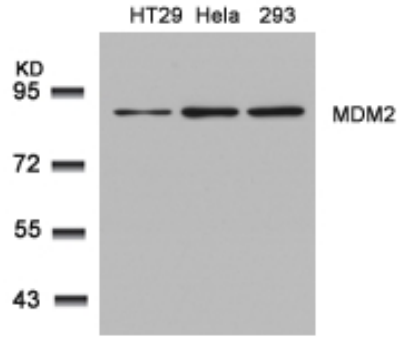
Predicted MW: 90kd

Western blotting: 1:500~1:1000

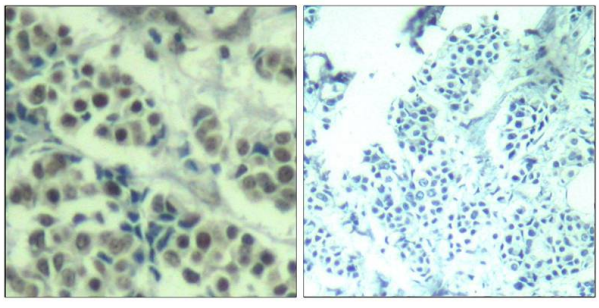
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

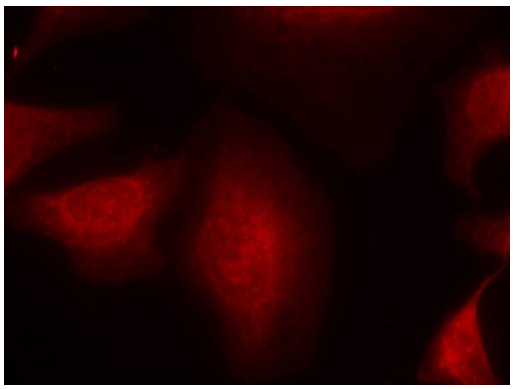
Images



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.

Descriptions

Immunogen	Peptide sequence around aa.164~168 (A-I-S-E-T) derived from Human MDM2.
Specificity	The antibody detects endogenous level of total MDM2 protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
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.
Accession NO.	Swiss-Prot: Q00987NCBI Protein: NP_002383.2

Related Information

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.