

MDM2(Ab-166) Antibody

Catalog No: #AB21550



Package Size: #AB21550-1 50ul #AB21550-2 100ul #AB21550-4 25ul

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

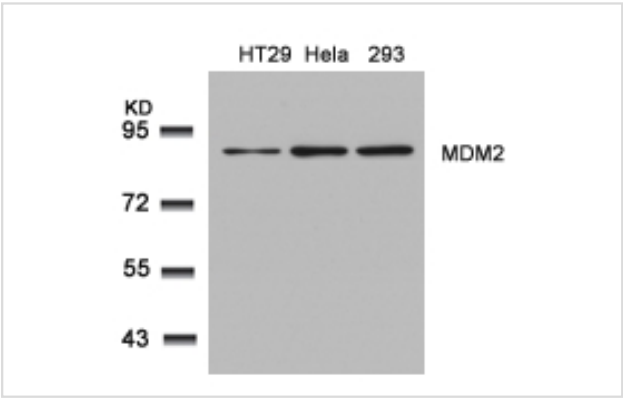
Description

| | |
|-----------------------|---|
| 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 |
| Specificity | The antibody detects endogenous level of total MDM2 protein. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around aa.164~168 (A-I-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. |

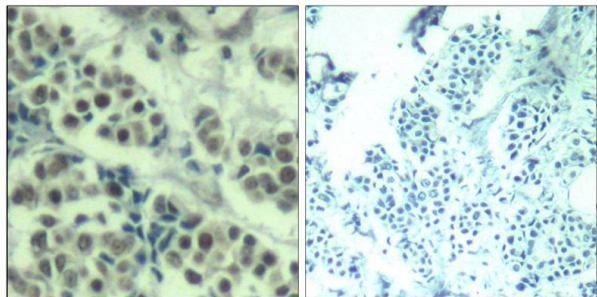
Application Details

Predicted MW: 90kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100
Immunofluorescence: 1:100~1:200

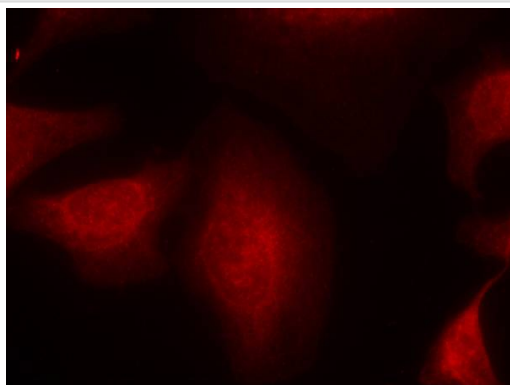
Images



Western blot analysis of extracts from HT29, HeLa and 293 cells using MDM2(Ab-166) Antibody #AB21550.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MDM2(Ab-166) Antibody #AB21550(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using MDM2(Ab-166) Antibody #AB21550.

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.