MDM2 Antibody

Mouse Monoclonal Antibody [Clone SMP14]

Catalog No	Format	Size
4193-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4193-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4193-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

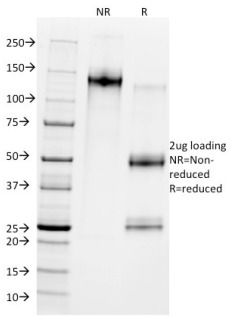
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

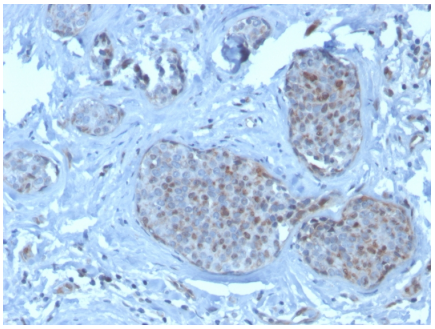
Clone	SMP14
Gene Name	MDM2
Immunogen	A synthetic peptide (aa 154-167) of human MDM2 protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~90kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleoplasm, Nucleus
Species Reactivity	Human, Mouse, Rat
Positive Control	HepG2 cells. Breast Carcinoma. brain.

**Optimal dilution for a specific application should be determined.*

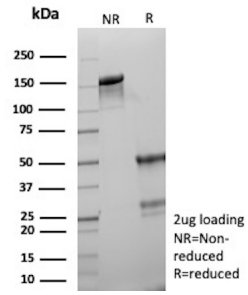
Product Images for MDM2 Antibody



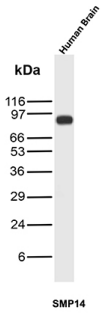
SDS-PAGE Analysis Purified MDM2 Mouse Monoclonal Antibody (SMP14). Confirmation of Purity and Integrity of Antibody.



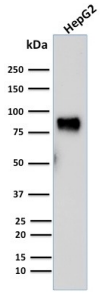
Formalin-fixed, paraffin-embedded human breast carcinoma stained withMDM2 Mouse Monoclonal Antibody (SMP14).



SDS-PAGE Analysis of Purified MDM2 Mouse Monoclonal Antibody (SMP14). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human brain lysate using MDM2 Mouse Monoclonal Antibody (SMP14).



Western Blot Analysis of human HepG2 cell lysate using MDM2 Mouse Monoclonal Antibody (SMP14).

Specificity & Comments

MDM2 is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53. It can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. Overexpression of MDM2 can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. Overexpression of MDM2 protein is detected in a variety of cancers.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Bladder Cancer, Cardiovascular, Infectious Disease, Nuclear Marker, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.