

MDM2 (phospho Ser186/S188) rabbit pAb**Cat#: orb769085 (Manual)**

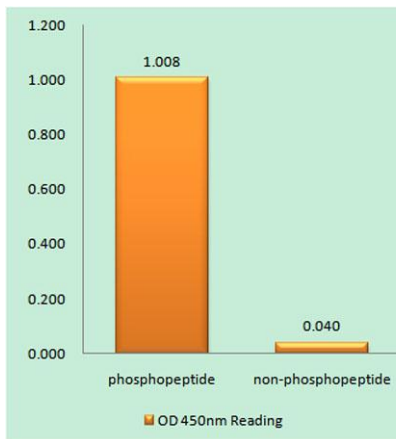
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Product Name	MDM2 (phospho Ser186/S188) rabbit pAb
Host species	Rabbit
Applications	IF;WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000 Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MDM2 around the phosphorylation site of Ser186 and Ser188. AA range:151-200
Specificity	Phospho-MDM2 (S186/S188) Polyclonal Antibody detects endogenous levels of MDM2 protein only when phosphorylated at S186/S188.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	E3 ubiquitin-protein ligase Mdm2
Gene Name	MDM2
Cellular localization	Nucleus, nucleoplasm. Cytoplasm . Nucleus, nucleolus. Nucleus . Expressed predominantly in the nucleoplasm. Interaction with ARF(P14) results in the localization of both proteins to the nucleolus. The nucleolar localization signals in both ARF(P14) and MD
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

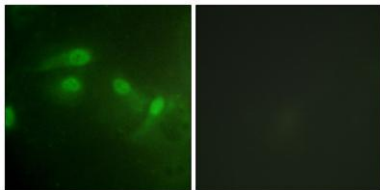
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	4193
Human Swiss-Prot Number	Q00987
Alternative Names	MDM2; E3 ubiquitin-protein ligase Mdm2; Double minute 2 protein; Hdm2; Oncoprotein Mdm2; p53-binding protein Mdm2

Background

This gene encodes a nuclear-localized E3 ubiquitin ligase. The encoded protein can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. This gene is itself transcriptionally-regulated by p53. Overexpression or amplification of this locus is detected in a variety of different cancers. There is a pseudogene for this gene on chromosome 2. Alternative splicing results in a multitude of transcript variants, many of which may be expressed only in tumor cells. [provided by RefSeq, Jun 2013],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MDM2 (Phospho-Ser186+Ser188) Antibody



Immunofluorescence analysis of HeLa cells, using MDM2 (Phospho-Ser186+Ser188) Antibody. The picture on the right is blocked with the phosphopeptide.