



MDM2 (phospho Ser166) rabbit pAb

Cat No.:ES6209

For research use only

Overview

Product Name	MDM2 (phospho Ser166) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MDM2 around the phosphorylation site of Ser166. AA range:132-181
Specificity	Phospho-MDM2 (S166) Polyclonal Antibody detects endogenous levels of MDM2 protein only when phosphorylated at S166.
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 MDM2 may be necessary to allow efficient nucleolar localization of both proteins. Colocalizes with RASSF1 isoform A in the nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	90kD





Human Gene ID

4193

Human Swiss-Prot Number

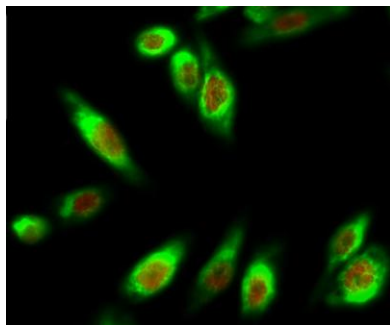
Q00987

Alternative Names

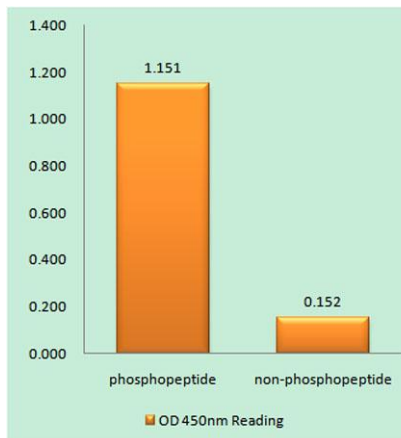
MDM2; E3 ubiquitin-protein ligase Mdm2; Double minute 2 protein; Hdm2; Oncoprotein Mdm2; p53-binding protein Mdm2

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],



Immunofluorescence analysis of HeLa cell. 1,MDM2 (phospho Ser166) Polyclonal Antibody(red) was diluted at 1:200(4° overnight). HAO1 Monoclonal Antibody(Mix)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was



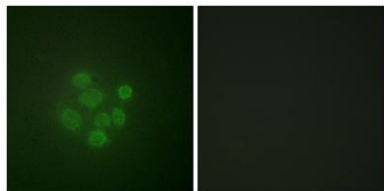
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MDM2 (Phospho-Ser166) Antibody



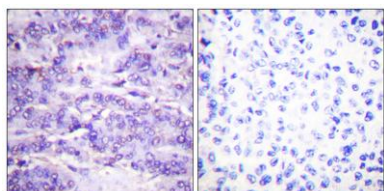


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Immunofluorescence analysis of A549 cells, using MDM2 (Phospho-Ser166) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MDM2 (Phospho-Ser166) Antibody. The picture on the right is blocked with the phospho peptide.



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei, P.R.C