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## Frequent proteins

prot  
Act5C (8291)  
POMT1 (7971)  
PRKG1 (7425)  
AD11 (7370)  
AMP14 (7167)  
P53 (7107)  
Rpl1215 (7060)  
WWOX (6636)

3517467 results found in 611 ms Page 1 of 35175

prot: <b>MDM2</b>	prot: <b>TP53</b>	[ collectionScore: 1126.030]
prot: <b>ABL1</b>	prot: <b>BCR</b>	[ collectionScore: 772.855]
prot: <b>BAX</b>	prot: <b>BCL2</b>	[ collectionScore: 588.988]
prot: <b>BRCA1</b>	prot: <b>BRCA2</b>	[ collectionScore: 460.801]
prot: <b>BCL2</b>	prot: <b>TP53</b>	[ collectionScore: 410.260]

4309 results found in 553 ms Page 1 of 44

Ribosomal protein S7 as a novel modulator of p53-MDM2 interaction: binding to MDM2, stabilization of p53 protein, and activation of p53 function. (2007)

Herein, we demonstrate that S7 binds to MDM2, in vitro and in vivo, and that the interaction between MDM2 and S7 leads to modulation of MDM2-p53 binding by forming a ternary complex among MDM2, p53 and S7.

The identification of S7 as a novel MDM2-interacting partner contributes to elucidation of the complex regulation of the MDM2-p53 interaction and has implications in cancer prevention and therapy.

This results in the stabilization of p53 protein through abrogation of MDM2-mediated p53 ubiquitination.

pmid: 17310983 docScore:2.764 protPair: TP53::MDM2

Cocompartmentalization of p53 and Mdm2 is a major determinant for Mdm2-mediated degradation of p53. (2001)

We find that (1) when proteasome activity is inhibited, ubiquitinated p53 accumulates in the nucleus and not in the cytoplasm; (2) Mdm2 with a mutated NES can efficiently mediate degradation of wild type p53 or p53 with a mutated NES; (3) the nuclear export inhibitor LMB can increase the steady-state level of p53 by inhibiting Mdm2-mediated ubiquitination of p53; and (4) LMB fails to inhibit Mdm2-mediated degradation of the p53NES mutant, demonstrating that Mdm2-dependent proteolysis of p53 is feasible in the nucleus in the absence of any nuclear export.

The product of the Mdm2 oncogene directly interacts with p53 and promotes its ubiquitination and proteasomal degradation.

In this study we demonstrate that Mdm2 can promote degradation of p53 in the nucleus or in the cytoplasm, provided both proteins are colocalized.

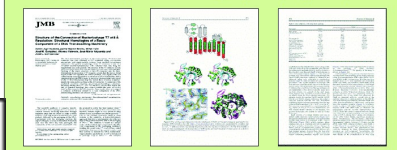
pmid: 11597128 docScore:2.736 protPair: TP53::MDM2

## The failure of p65 translocation to the nucleus ...

Negated

### IPS OVERVIEW

Title, abstracts, article body, figures, legends, tables



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