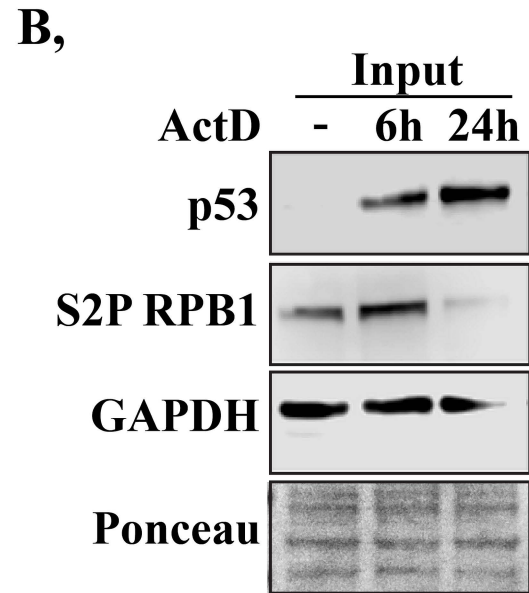
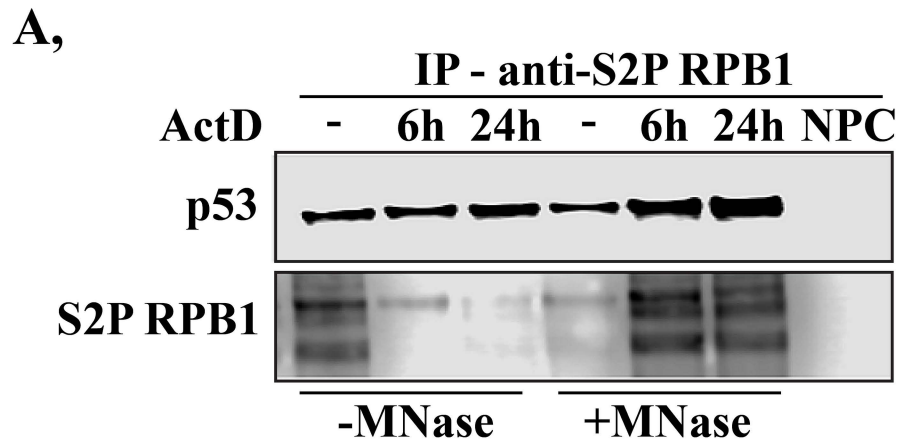


Human p53 interacts with the elongating RNAPII complex and is required for the release of actinomycin D induced transcription blockage

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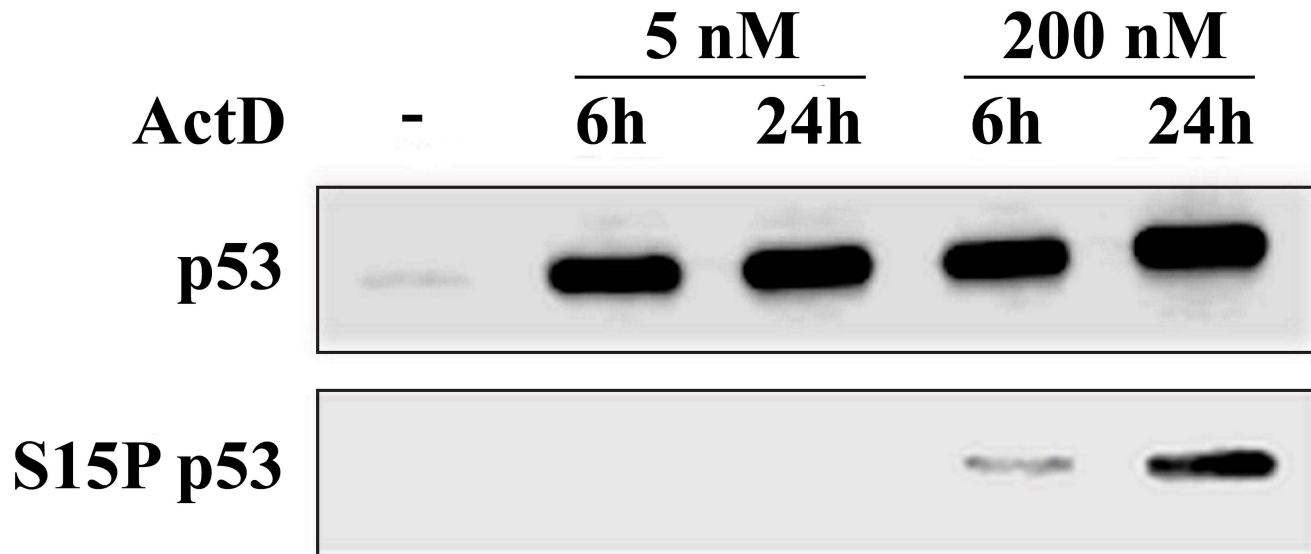
Peter Pukler, Imre M. Boros, Tibor Pankotai

Supplementary informations:



**Supplementary Figure S1. Co-immunoprecipitation of p53 and S2P RPB1**

(A) S2P RPB1 was co-immunoprecipitated with p53. IP was performed by anti-S2P RPB1 antibody and anti-p53 was used to detect p53 in the precipitated samples. „No protein control” (NPC) was used as negative control of the immunoprecipitation. In each case, MNase treatment was performed both under normal and ActD treated (200 nM, 6 and 24 h) conditions. (B) Western blot detection of p53 and S2P RPB1 in the inputs of immunoprecipitation. GAPDH was used to show the equal loading.



**Supplementary Figure S2 p53 protein is stabilized upon ActD treatment**

Western blot detection of p53 and S15P p53 6 and 24 h after 5 and 200 nM ActD treatment.

<b>Gene region</b>	<b>Forward primer (5'-3')</b>	<b>Reverse primer (5'-3')</b>
<i>ActB</i> promoter	CGCCAAAACCTCTCCCTCCTC	CCGCTGGGTTTTATAGGGCG
<i>ActB</i> gene body 1	CTTTCTCTGCACAGGAGCCT	AGGTGTGGTGCCAGATTTTC
<i>ActB</i> gene body 2	GTGAGGACCCTGGATGTGAC	GCAAAGACCTGTACGCCAAC
<i>ActB</i> 3'UTR	CACACAGGGGAGGTGATAGC	ACATCTCAAGTTGGGGGACA
<i>Cdk12</i> promoter	GGAGCCTGGGAGTGTGTTGTT	CGCTTTCACCTCATTCCCCT
<i>Cdk12</i> gene body 1	CCCCAGGTGAGCTATTTGTC	CAACTGAAGACCCCACCACT
<i>Cdk12</i> gene body 2	GCAGTGAGCCGAGATTGAGT	GCCTGGAGGTTGAGGATGTA
<i>Cdk12</i> 3'UTR	ACATCCCAGCATGTGTACCC	CCTCCAAATTATCCCATCC
<i>Brat1</i> promoter	GTGGGGAACCTGAGACTGCAC	CTCGGCATGAACCACTAGG
<i>Brat1</i> gene body 1	CTCCTAATGTCCCCAGCAAG	AGGCCCTCAGTATCTGCTC
<i>Brat1</i> gene body 2	CGAGCCAGCTACTCTCATCC	ACTCACCTCGCGTTTGTCTC
<i>Brat1</i> 3'UTR	CTGTGGGATTTCTTGACCTTG	CAGCACCATGTCCTTCTGTG
<i>Sdcbp</i> promoter	AGGAGTTGAGAAGGGGTCGT	GTCGCCTCCAATTCAAAGAG
<i>Sdcbp</i> gene body 1	TTTGCCAGTGTTTCTACTTCA	TTTCCCATTGTCCCTCAAC
<i>Sdcbp</i> gene body 2	TGGTTTTGTCAGCAGTTGGT	GCCTGAGTCCAATTTTCCA
<i>Sdcbp</i> 3'UTR	CCCCTTTTGTTCATTTGTGG	GCAAGGAGGAGTCAGGAAAA
<i>P21</i> promoter	CCGAAGTCAGTTCCTTGTGG	CGCTCTCTCACCTCCTCTGA
Intergenic region	TGGAACTTCTGGAAGACACTG	TACACCACTCAAGGGAAACTG

**Supplementary table S1. Sequences of primers used in chromatin immunoprecipitation experiments.**