

## Tumor suppressor and DNA damage response panel 2

(56 analytes)

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
ACT	Actin; ACTA2 ACTA1 ACTB ACTG1 ACTC1 ACTG2	<a href="#">Q562L2</a>	
CASC5	cancer susceptibility candidate 5	<a href="#">Q8NG31</a>	pS767
CASC5	cancer susceptibility candidate 5	<a href="#">Q8NG31</a>	
CASP3	caspase 3, apoptosis-related cysteine peptidase	<a href="#">P42574</a>	pS26
CDC25B	cell division cycle 25 homolog B (S. pombe)	<a href="#">P30305</a>	pS160
CDC25B	cell division cycle 25 homolog B (S. pombe)	<a href="#">P30305</a>	pS323
CDC25B	cell division cycle 25 homolog B (S. pombe)	<a href="#">P30305</a>	
CDC25C	cell division cycle 25 homolog B (S. pombe)	<a href="#">P30307</a>	pS216
CDC25C	cell division cycle 25 homolog B (S. pombe)	<a href="#">P30307</a>	
CDCA8	cell division cycle associated 8	<a href="#">Q53HL2</a>	pT106
CDK1	cyclin-dependent kinase 1	<a href="#">P06493</a>	pT161
CDK1	cyclin-dependent kinase 1	<a href="#">P06493</a>	
CDK7	cyclin-dependent kinase 7	<a href="#">P50613</a>	pT170
CHEK1	Serine/threonine-protein kinase Chk1, CHK1 checkpoint homolog (S. pombe)	<a href="#">O14757</a>	pS286
CHEK2	CHK2 checkpoint homolog (S. pombe)	<a href="#">O96017</a>	pS379
CHEK2	CHK2 checkpoint homolog (S. pombe)	<a href="#">O96017</a>	pT387
CHEK2	CHK2 checkpoint homolog (S. pombe)	<a href="#">O96017</a>	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	<a href="#">P04406</a>	
LAT	linker for activation of T cells	<a href="#">O43561</a>	pS224
LMNB1	lamin B1	<a href="#">P20700</a>	pT20; pS23
LMNB1	lamin B1	<a href="#">P20700</a>	pT20
LMNB1	lamin B1	<a href="#">P20700</a>	pS23
LMNB1	lamin B1	<a href="#">P20700</a>	
MCM6	minichromosome maintenance complex component 6	<a href="#">Q14566</a>	pS762
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MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	<a href="#">Q00987</a>	pS166
MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	<a href="#">Q00987</a>	
MKI67	antigen identified by monoclonal antibody Ki-67	<a href="#">P46013</a>	pT1801
MKI67	antigen identified by monoclonal antibody Ki-67	<a href="#">P46013</a>	
MKI67	antigen identified by monoclonal antibody Ki-67	<a href="#">P46013</a>	pT2406
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	<a href="#">P49959</a>	pS676
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	<a href="#">P49959</a>	
NCAPH2	non-SMC condensin II complex, subunit H2	<a href="#">Q6IBW4</a>	pS492
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NUMA1	nuclear mitotic apparatus protein 1	<a href="#">Q14980</a>	pS395
PAK4	p21(CDKN1A)-activated kinase 4	<a href="#">O96013</a>	pS181
PARP1	poly (ADP-ribose) polymerase family, member 1	<a href="#">P09874</a>	pS41
POLQ	DNA polymerase theta	<a href="#">O75417</a>	
RAD50	RAD50 homolog (S. cerevisiae)	<a href="#">Q92878</a>	pS470
RAD9A	RAD9 homolog A (S. pombe)	<a href="#">Q99638</a>	pS387
RAD9A	RAD9 homolog A (S. pombe)	<a href="#">Q99638</a>	
RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	<a href="#">Q92541</a>	pS655
RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	<a href="#">Q92541</a>	
SAAL1	serum amyloid A-like 1	<a href="#">Q96ER3</a>	pS237
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TNFRSF17	tumor necrosis factor receptor superfamily, member 17	<a href="#">Q02223</a>	pS173
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TP53	tumor protein p53	<a href="#">P04637</a>	pS315
TP53	tumor protein p53	<a href="#">P04637</a>	pS15
TP53BP1	tumor protein p53 binding protein 1	<a href="#">Q12888</a>	pT543, pS552
TP53BP1	tumor protein p53 binding protein 1	<a href="#">Q12888</a>	pT543
TP53BP1	tumor protein p53 binding protein 1	<a href="#">Q12888</a>	pS552
TP53BP1	tumor protein p53 binding protein 1	<a href="#">Q12888</a>	
TUBB	Tubulin beta chain	<a href="#">P07437</a>	
UTP14A	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)	<a href="#">Q9BVJ6</a>	pS453
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\*blanks mean the assay detects the non-modified peptide sequence