

Tumor suppressor and DNA damage response panel 2

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
ACT	Actin; ACTA2 ACTA1 ACTB ACTG1 ACTC1 ACTG2	Q562L2	
CASC5	cancer susceptibility candidate 5	Q8NG31	pS767
CASC5	cancer susceptibility candidate 5	Q8NG31	
CASP3	caspase 3, apoptosis-related cysteine peptidase	P42574	pS26
CDC25B	cell division cycle 25 homolog B (S. pombe)	P30305	pS16
CDC25B	cell division cycle 25 homolog B (S. pombe)	P30305	pS323
CDC25B	cell division cycle 25 homolog B (S. pombe)	P30305	
CDC25C	cell division cycle 25 homolog B (S. pombe)	P30307	pS216
CDC25C	cell division cycle 25 homolog B (S. pombe)	P30307	
CDCA8	cell division cycle associated 8	Q53HL2	pT16
CDK1	cyclin-dependent kinase 1	P06493	pT161
CDK1	cyclin-dependent kinase 1	P06493	
CDK7	cyclin-dependent kinase 7	P50613	pT17
CHEK1	CHK1 checkpoint homolog (S. pombe)	Q14757	pS286
CHEK2	CHK2 checkpoint homolog (S. pombe)	Q96017	pS379
CHEK2	CHK2 checkpoint homolog (S. pombe)	Q96017	pT387
CHEK2	CHK2 checkpoint homolog (S. pombe)	Q96017	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	P04406	
LAT	linker for activation of T cells	Q43561	pS224
LMNB1	lamin B1	P20700	pT2; pS23
LMNB1	lamin B1	P20700	pT2
LMNB1	lamin B1	P20700	pS23
MCM6	minichromosome maintenance complex component 6	Q14566	pS762
MCM6	minichromosome maintenance complex component 6	Q14566	
MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	Q00987	pS166
MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	Q00987	
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	pT181
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	pT246
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	P49959	pS676
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NCAPH2	non-SMC condensin II complex, subunit H2	Q6IBW4	pS492
NUMA1	nuclear mitotic apparatus protein 1	Q14980	pS395
PAK4	p21(CDKN1A)-activated kinase 4	Q96013	pS181
PAK4	p21(CDKN1A)-activated kinase 4	Q96013	
PARP1	poly (ADP-ribose) polymerase family, member 1	P09874	pS41
POLQ	DNA polymerase theta	Q75417	
RAD50	DNA repair protein RAD50	Q92878	pS47
RAD9A	Cell cycle checkpoint control protein RAD9A	Q99638	pS387
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RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	Q92541	pS655
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SAAL1	serum amyloid A-like 1	Q96ER3	pS237
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TNFRSF17	tumor necrosis factor receptor superfamily, member 17	Q02223	pS173
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TP53	Cellular tumor antigen p53	P04637	pS315
TP53	Cellular tumor antigen p53	P04637	pS15
TP53BP1	tumor protein p53 binding protein 1	Q12888	pT543; pS552
TP53BP1	tumor protein p53 binding protein 1	Q12888	pT543
TP53BP1	tumor protein p53 binding protein 1	Q12888	pS552
TP53BP1	tumor protein p53 binding protein 1	Q12888	
TUBB	Tubulin beta chain	P07437	
UTP14A	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)	Q9BVJ6	pS453
UTP14A	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)	Q9BVJ6	

(55 analytes)
*blanks mean the assay detects the non-modified peptide sequence