

Tumor suppressor and DNA damage response panel 2

(56 analytes)

*blanks mean the assay detects the non-modified peptide sequence

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	pS160
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	
CDC48	cell division cycle associated 8	Q53HL2	pT106
CDK1	cyclin-dependent kinase 1	P06493	pT161
CDK1	cyclin-dependent kinase 1	P06493	
CDK7	cyclin-dependent kinase 7	P50613	pT170
CHEK1	Serine/threonine-protein kinase Chk1, CHK1 checkpoint homolog (S. pombe)	O14757	pS286
CHEK2	CHK2 checkpoint homolog (S. pombe)	O96017	pS379
CHEK2	CHK2 checkpoint homolog (S. pombe)	O96017	pT387
CHEK2	CHK2 checkpoint homolog (S. pombe)	O96017	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	P04406	
LAT	linker for activation of T cells	O43561	pS224
LMNB1	lamin B1	P20700	pT20; pS23
LMNB1	lamin B1	P20700	pT20
LMNB1	lamin B1	P20700	pS23
LMNB1	lamin B1	P20700	
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	pT1801
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	pT2406
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
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NUMA1	nuclear mitotic apparatus protein 1	Q14980	pS395
PAK4	p21(CDKN1A)-activated kinase 4	O96013	pS181
PARP1	poly (ADP-ribose) polymerase family, member 1	P09874	pS41
POLQ	DNA polymerase theta	O75417	
RAD50	RAD50 homolog (S. cerevisiae)	Q92878	pS470
RAD9A	RAD9 homolog A (S. pombe)	Q99638	pS387
RAD9A	RAD9 homolog A (S. pombe)	Q99638	
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	tumor protein p53	P04637	pS315
TP53	tumor protein 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
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