

Supplementary information

Table S1

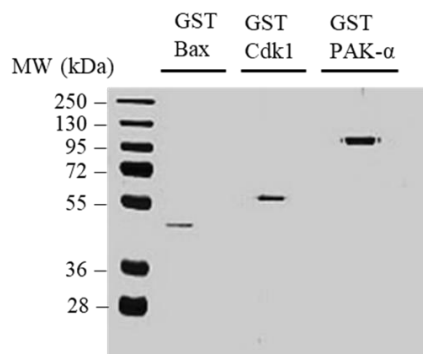
Protein	Bax IP		Bak IP	
	Score	Coverage (%)	Score	Coverage (%)
ADP/ATP translocase 2 OS=Homo sapiens	410	35	317	27
ADP/ATP translocase 3 OS=Homo sapiens	280	29	233	23
60 kDa heat shock protein, mitochondrial OS=Homo sapiens	426	23	256	12
14-3-3 protein zeta/delta OS=Homo sapiens	363	36	169	18
Apoptosis regulator BAX OS=Homo sapiens	776	55	459	35
Bcl-2 homologous antagonist/killer OS=Homo sapiens GN=BAK1	49	5.8	259	33
Peptidyl-prolyl cis-trans isomerase OS=Homo sapiens	370	37	139	30
ATP synthase subunit alpha, mitochondrial OS=Homo	169	26	386	22
ATP synthase subunit beta OS=Homo sapiens	196	13	210	23
L-lactate dehydrogenase A chain OS=Homo sapiens	236	26	98	16
Serpin H1 OS=Homo sapiens	250	15	310	36
Myosin regulatory light chain 12A OS=Homo sapiens	279	32	537	49
60S acidic ribosomal protein P0 OS=Homo sapiens	76	15	40	22
Cyclin-dependent kinase 1 OS=Homo sapiens	139	16		
Nucleophosmin OS=Homo sapiens	247	35		
Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens	345	18		
ATP-dependent RNA helicase DDX5 OS=Homo sapiens	146	9.9		
Triosephosphate isomerase OS=Homo sapiens	207	24		
Tropomyosin alpha-4 chain OS=Homo sapiens	117	14		
Clusterin OS=Homo sapiens	234	15		
Nucleoside diphosphate kinase OS=Homo sapiens	189	17		
Transgelin-2 OS=Homo sapiens	88	23		
Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens	74	10		
Protein disulfide-isomerase OS=Homo sapiens	160	17		
Receptor of-activated protein C kinase 1 OS=Homo sapiens	218	24		

Galectin-1 OS=Homo sapiens	66	19		
Reticulocalbin-1 OS=Homo sapiens	90	17		
DnaJ homolog subfamily A member 3, mitochondrial OS=Homo sapiens	70	11		
Drebrin OS=Homo sapiens	71	8.8		
Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Homo sapiens	138	26		
10 kDa heat shock protein, mitochondrial OS=Homo sapiens	76	35		
Brain acid soluble protein 1 OS=Homo sapiens	52	28		
Plasminogen activator inhibitor 1 RNA-binding protein OS=Homo sapiens	87	9.3		
Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens	137	12		
Heterogeneous nuclear ribonucleoprotein A/B OS=Homo sapiens	110	11		
Filamin-A OS=Homo sapiens	867	15		
Tripartite motif-containing protein 47 OS=Homo sapiens			778	26
Probable ATP-dependent RNA helicase DDX41 OS=Homo sapiens			653	33
Erlin-2 OS=Homo sapiens			718	44
Erlin-1 OS=Homo sapiens			661	49
Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens			545	34
Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens			423	40
Phosphate carrier protein, mitochondrial OS=Homo sapiens			61	8.3
Stress-70 protein, mitochondrial OS=Homo sapiens			657	25
Mitochondrial carrier homolog 2			69	16
Transmembrane emp24 domain-containing protein 10 OS=Homo sapiens			150	22
Leucine-rich repeat-containing protein 59 OS=Homo sapiens			68	15
Surfeit locus protein 4 OS=Homo sapiens			199	15
Tropomyosin beta chain OS=Homo sapiens			237	17
Putative RNA-binding protein Luc7-like 2 OS=Homo sapiens			226	24
RNA-binding protein 39 OS=Homo sapiens			189	20
Lamin-B1 OS=Homo sapiens			139	14
Very-long-chain enoyl-CoA reductase OS=Homo sapiens			136	13
Sequestosome-1 OS=Homo sapiens			67	9.8
Calnexin OS=Homo sapiens			111	8.4
Transmembrane emp24 domain-containing protein 10 OS=Homo sapiens			150	22

4F2 cell-surface antigen heavy chain OS=Homo sapiens			60	6.5
Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens			290	23
Surfeit locus protein 4 OS=Homo sapiens			199	15
Polypeptide N-acetylgalactosaminyltransferase 2 OS=Homo sapiens			69	5.1
Leucine-richrepeat-containing protein 59 OS=Homo sapiens			68	15
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit OS=Homo sapiens			101	6.4
Mitochondrial carrier homolog 2 OS=Homo sapiens			69	16
Bleomycin hydrolase OS=Homo sapiens			64	14
Serpin B3 OS=Homo sapiens			86	6.7
Desmocollin-1 OS=Homo sapiens			106	3.9

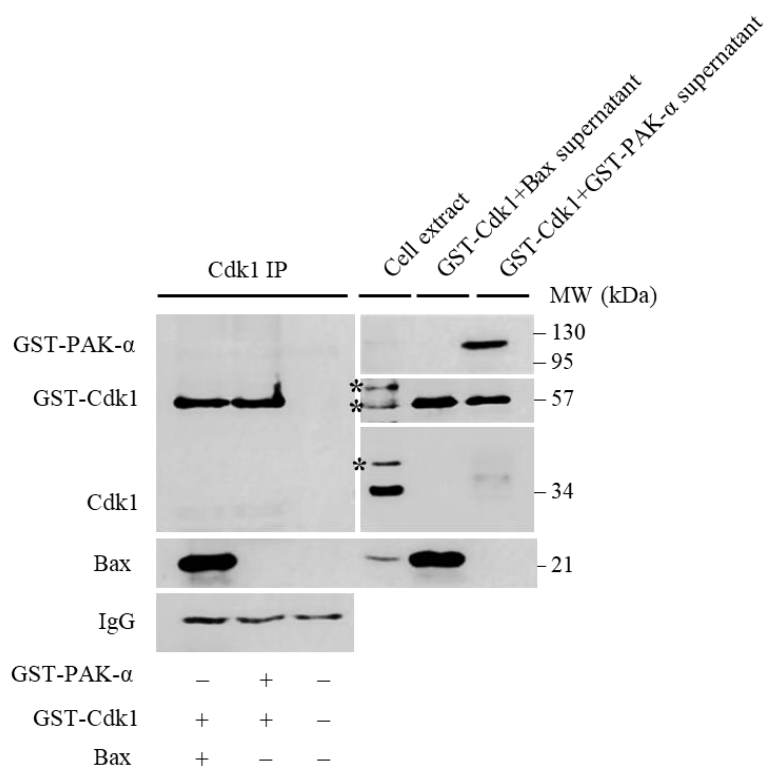
Identification of Bax and Bak interacting proteins. Bax and Bak were immunoprecipitated from synchronised HeLa cell mitotic cell lysates (60nM Taxol treatment for 24h) and the co-immunoprecipitating proteins identified by trypsin digestion and mass spectrometry (MS). Score=Mascot score, Cov= % sequence coverage.

Fig S1



Coomassie-stained SDS-PAGE gel of purified, recombinant GST-Bax, GST-Cdk1 and GST-Pak α used in the study. Molecular weight markers (kDa) are indicated on the left.

Fig S2



Immunoblot analysis of Cdk1[Cdc2p34(17)] IP's with the indicated antibodies. Equimolar concentrations (50 μ M) of GST-Cdk1 and Bax were incubated in 1% CHAPS lysis buffer for 2 hrs at 4 °C. GST-PAK alpha (50 μ M) was incubated with GST-Cdk1 as a control. The post-IP supernatants (10 % of total volume) and cell lysate were run as positive controls. Molecular weight markers (kDa) are indicated on the right. * indicates non-specific proteins. This result is representative of 2 independent experiments.