



Keyword Index

Volume 8 2001

- 26S proteasome 210
3-aminobenzamide 801
 Δ Np73 1213
 1 H NMR 1022
- A1-a 785
A20 zinc finger protein 265
Acidification 289
Adenocarcinoma cell lines 621
Adhesion 665
Aggregation 640
AIP 298
Akt 528
Akt/PKB 16
Alpha helix 725
Aminophospholipid translocase 551
Androgen 192
Androgen receptor 192
Anoikis 665
Antibody 273
AP-1 859
Apaf-1 425
Aphidicolin 182
Apoptosis 6, 16, 30, 51, 63, 83, 113, 127, 137, 144, 162, 172, 182, 210, 219, 225, 234, 245, 256, 265, 289, 308, 327, 335, 345, 357, 367, 387, 403, 411, 477, 486, 506, 528, 551, 564, 582, 595, 614, 621, 640, 679, 715, 725, 734, 747, 754, 785, 808, 817, 829, 841, 859, 878, 887, 899, 921, 933, 953, 967, 995, 1004, 1014, 1022, 1029, 1038, 1052, 1066, 1076, 1103, 1113, 1136, 1143, 1157, 1169, 1182, 1197, 1207, 1213, 1224
Apoptosome 425
APRIL (a proliferation-inducing ligand) 403
Arachidonate 776
ARC 640
ASK1 1029
Asparaginase 1004
ATM 614, 1052
ATRA 70
Autophagic cell death 569
Autophagic vacuoles 569
Autophagosome 289
- Baculovirus 137
bad 225
bak 225
bax 225
Bax 614, 734, 909
Bcl-2 homologous protein 887
Bcl-1-x_s 933
Bcl-2 44, 725, 785, 1169
bcl-2 family 225
Bcl-2 family 279
bcl-w 225
Bcl-w 486
bcl-x_L 225
Bcl-x_L 794
BID 569
bim 225
Blebs 850
BNIP3 367
Brain 1169
Brainstem 345
BRCA1 1052
Breast cancer 943
Burkitt lymphoma 152
Butyrate 1014
- c-myc* 967
c-Jun 859
CAG repeats 377
Calcein 850
Calcium 776
Calpain 1197
Cancer 6
Cancer therapy 1066
Cardiomyocytes 367
Cartilage maturation 985
Caspase 38, 137, 152, 265, 377, 387, 495, 614, 715, 1136, 1197
Caspase 3 1143
Caspase 8 506
Caspase activation 631
Caspase activity 30
Caspase inhibition 985
Caspase-1 649
Caspase-2 640
Caspase-3 83, 279, 335
Caspase-6 1157
Caspase-8 1224
Caspase-9 83, 335
Caspase-independent PCD 569
Caspases 162, 256, 308, 443, 595, 725, 829, 899, 1022, 1182
Cathepsin D 477
CD437 477, 878
CD4⁺CD7⁻ T cells 395
CD95 (APO-1, Fas) 595
CD95 (Fas/Apo-1) receptor 1004
CD95 ligand 273, 679
CD95L 403
Ced-3 335
CED-4 1169
- Cell adhesion 603
Cell anchorage 44
Cell cycle 51, 470
Cell cycle arrest 665
Cell cycle checkpoints 1052
Cell death 279, 603, 614, 850, 1103
Cell migration 564
Cell-free system 234
Cell-shrinkage 1004
Ceramide 83, 595
Cerebellum 345
Cervical cancer cells 234
Chemical hypoxia 850
Chemotherapy 457
Chk1 1052
Chk2 1052
Chondrocyte differentiation 603
Ciliate 289
Cisplatin 899
Cloning 649, 754
Complement binding 327
Constitutive nuclear factor- κ B 144
Cortex 245
Cultured human and rat hepatocytes 279
Cyclin 51
Cyclin D 44
Cytochrome *c* 63, 83, 162, 631, 715, 899, 995, 1038
Cytokines 582
Cytoplasmic vacuolisation 569
Cytoskeleton 443
- DAP-kinase 6
Death channel 850
Death ligands 403
Death receptors 829
Death-inducing signaling-complex (DISC) 1014
DEDD 1157
Deubiquitination 1182
Development 245
Dexamethasone 953
Differentiation 878
Dihydrotestosterone (DHT) 192
Dimerization 933
DNA damage 1076, 1213
DNA repair 182, 245, 457, 1052
DnaJ homolog 357
Doxorubicin 162
Drug resistance 457, 817
- Early myeloblasts 70
Effector caspases 425

- Endonuclease G 1136
 Endoplasmic reticulum 569
 Epilepsy 1169
 Epithelia 696
 Epithelial cells 308
 Epithelial-stromal tissue interaction 192
 Erythrocytes 1197
Escherichia coli 808
 Ewing's sarcoma 506
- FADD 696
 Fas (CD95/APO-1) 1014
 Fas ligand 687
 Fibroblasts 395
 Flavopiridol 715
 FLIP 1224
 Free radicals 477
 FRET 38, 696
 Functional gene cloning 6
- G1 and G2/M checkpoints 234
 Gastric adenocarcinoma 665
 Genetics 564
Geodia cydonium 887
 GFP 30, 38
gld 679
 Glioma 403, 595
 Glucocorticoid 706, 953
 Glutamine 1004
 Glycine 850
 Growth arrest 470
 GT1-7 cells 995
- H₂O₂ 298
 Heat shock 887, 1093
 HEK-293 887
 HeLa cells 219
 HER-2/neu 687
 Hippocampus 345
 Histone deacetylase 1014
 Histones 1182
 HIV 127
 HPV 234
 HSP25 603
 Human cervical carcinoma 219
 Huntington's disease 377
 Hydrogen peroxide resistance 953
 Hypoxia 367
- Iap 137
 IAPs 387
 IGF-II 16
 Immune escape 687
 Immunity 113, 127
 Immunohistochemistry 273
 Inflammation 649
 Inhibitors of apoptosis 706
 Initiation factor 841
 Insect immunity 137
 Integrins 665
- Interdigital web regression 985
 Interferon- γ 506
 Intermediate filaments 443
 Intestinal mucosa 706
 Intraepithelial lymphocytes 706
 Invertebrates 887
- JNK 265, 1029
 Joint formation 985
 JunAA 859
 Jurkat 172
 Jurkat T cells 588
- Kainic acid 1169
 Keratin 15 308
 Keratin 17 308
 KILLER/DR5 1066
 KIM-2 mammary epithelial cells 210
 Kinase 51
- L-amino acid depletion 298
 L-amino acid oxidase 298
 Leukaemic cells 967
 Leukemia 715
 Light-induced degeneration 859
 Lipids 1103
 Localization 785
 Lung carcinoma 411
 Lymphocyte 51
 Lysosomal proteases 588
 Lysosome 289
 Lysosomes 477
- Macrophage 357, 1022, 1113
 Macrophages 144, 551
 MALDI-TOF MS 1093
 Mammary cell 808
 Mammary involution 16
 MAP kinase 528
 MAPK 172, 411
 Mature erythrocytes 1143
 Melanoma 878
 Membrane asymmetry 551
 Membrane IL-15 395
 Membrane potential 63
 Membranes 776
 Memory cells 395
 Metastasis 6, 470
 Methylating agents 457, 817
 Microfilaments 6
 Microinjection 495
 Mismatch repair 1076
 Mitochondria 83, 172, 725, 747, 794, 829, 909, 933, 1038, 1136, 1143, 1169
 Mitochondrial inhibitors 909
 Mitochondrial membrane potential 909, 995
 Mitochondrial permeabilization 631
 Mitochondrial uncoupling 776
- Molecular chaperone 357
 Monoclonal antibody 486, 1113
 Monoglycerides 1103
 Mouse 192
 Mouse limb outgrowth 985
 mRNA export 495
 mRNA translation 841
 mTOR 841
 Multidrug resistance 754
 Muscle 1207
 Mutations 933
 Myeloid differentiation 70
- Necrosis 219, 327, 588, 801, 817, 829, 921, 1113, 1169
 Neocortex 345
 Nerve growth factor 451
 Neuroblastoma 1029
 Neurodegeneration 977
 Neuronal cell death 977
 Neuronal differentiation 470
 Neuronal survival 245
 Neuroprotection 801, 921
 Neurotrophins 451
 NF- κ B 265, 649
 NF- κ B constitutive level 621
 NGF 451
 NIH-3T3 887
 Nitric oxide 144, 357, 515, 943, 1022
nm23 470
 NO donors 515
 Nuclear import 495
 Nuclear magnetic resonance spectroscopy 219
 Nuclear pore complex 495
 Nucleolus 1157
 Nucleosomes 1182
 Nucleus 289, 785
- ODC 967
 Okadaic acid 754
 Oocyte 614
 Opioids 943
 Optic nerve transection 801
 Ovarian carcinoma 256
 Ovary 614
 Oxygen-glucose deprivation 921
 Oxysterol 83
- P13-kinase 528
 p35 137
 p38 MAPK 1029
 p53 182, 210, 621, 734, 1052, 1066, 1213, 1066
 p73 1213
 PARP 83, 801
 PARP-1 588
 PC12 cells 640, 933
 PCD 245

- Peripheral benzodiazepine receptor 747
Peroxidation 776
Phagocytosis 551, 564, 582, 734, 1113
Pheochromocytoma PC12 cell line 470
Phorbol esters 967
Phosphatidylserine 182, 551, 582
Phosphatidylserine exposure 1143
Phosphatidylserine externalization 1113
Phosphorylation 859
Photoreceptor 859
PKC 172, 841
Plasma membrane 850
Poly(ADP-ribose) 817
Polyamines 967
Polyglutamine 377, 977
Polymerase 817
Porifera 887
Prodomain 387
Programmed cell death 345, 451, 1143, 1169
Proliferation 411, 808
Promoter 44
Propidium iodide 850
Prostate cancer 696
Proteases 443
Proteasome inhibitor 256
Protein accumulation 977
Protein interaction 649
Protein kinase C 899
Protein kinase C β 794
Protein phosphorylation 754
Rac 564
Rac1 1093
RAR α 70
Rb2/p130 470
rDNA transcription 1157
Reactive oxygen species 515
Receptor 582
Retinal ganglion cell death 801
Retinoblastoma gene family 470
Retinoblastoma protein 51
Retinoic acid receptor 878
Retinoids 411
Retrovirus 754
Rose Bengal 515
SAPK/JNK activation 1093
Sertoli cell 225
Serum withdrawal 640
Signal transduction 1076
Signaling 1207
Sindbis virus 1224
Single cell assay 38
Singlet oxygen 515
Small heat shock proteins 603
Spectrin 1197
Spermatogenesis 486
Spermatogonium 225
Sphingosine 162
Sponges 887
Staurosporine 234, 335, 785, 841, 995
Steroids 953
Stress-activated protein kinase 794
Stroke 679
Stroke therapy 679
T cell activation 706
tBid 1136
Telomerase 817
Terminal differentiation 794
Testis 225
Testosterone 192
Tetracycline-responsive system 256
Thermotolerance 1093
Thymocytes 953, 1103
TNF 265, 679
tnf-ko 679
TPA 794
TRAIL 172, 506, 1066
TRAIL/Apo2L 403
Transgenic mice 16
Tributyltin 887
Tumor cell lines 687
Tumor necrosis factor α (TNF- α) 528, 1224
Tumor regression 1038
Two-dimensional gel electrophoresis 308
Ubiquitin 1182
Ultraviolet 747
UVA $_1$ 515
Vacuole formation 977
Vimentin 443, 1093
Virus 113
Xenopus oocyte 63
Zinc 152