

Anoikis-related gene lists from Harmonizome portals

BMF	Bcl2 modifying factor
DAPK2	death-associated protein kinase 2
E2F1	E2F transcription factor 1
STK11	serine/threonine kinase 11
TFDP1	transcription factor Dp-1
ABHD4	abhydrolase domain containing 4
AFAP1L1	actin filament associated protein 1-like 1
AKT1	v-akt murine thymoma viral oncogene homolog 1
AKT2	v-akt murine thymoma viral oncogene homolog 2
ANGPTL4	angiopoietin-like 4
BAX	BCL2-associated X protein
BCAR1	breast cancer anti-estrogen resistance 1

BCL2	B-cell CLL/lymphoma 2
BCL2L11	BCL2-like 11 (apoptosis facilitator)
BIRC3	baculoviral IAP repeat containing 3
BME	Bcl2 modifying factor
BRAF	B-Raf proto-oncogene, serine/threonine kinase
BRCA2	breast cancer 2, early onset
BSG	basigin (Ok blood group)
CALR	calreticulin
CASP2	caspase 2, apoptosis-related cysteine peptidase
CASP3	caspase 3, apoptosis-related cysteine peptidase
CASP8	caspase 8, apoptosis-related cysteine peptidase

<u>CAV1</u>	caveolin 1, caveolae protein, 22kDa
<u>CCAR2</u>	cell cycle and apoptosis regulator 2
<u>CD63</u>	CD63 molecule
<u>CDCP1</u>	CUB domain containing protein 1
<u>CDH1</u>	cadherin 1, type 1, E-cadherin (epithelial)
<u>CDH2</u>	cadherin 2, type 1, N-cadherin (neuronal)
<u>CDKN2A</u>	cyclin-dependent kinase inhibitor 2A
<u>CEACAM6</u>	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)
<u>CEBPB</u>	CCAAT/enhancer binding protein (C/EBP), beta
<u>CHUK</u>	conserved helix-loop-helix ubiquitous kinase

<u>CLDN1</u>	claudin 1
<u>CLU</u>	clusterin
<u>CMA1</u>	chymase 1, mast cell
<u>COPS5</u>	COP9 signalosome subunit 5
<u>CSNK2A1</u>	casein kinase 2, alpha 1 polypeptide
<u>CSPG4</u>	chondroitin sulfate proteoglycan 4
<u>CTNND1</u>	catenin (cadherin-associated protein), delta 1
<u>CTTN</u>	cortactin
<u>CXCL12</u>	chemokine (C-X-C motif) ligand 12
<u>DAP3</u>	death associated protein 3
<u>DAPK1</u>	death-associated protein kinase 1
<u>DLG1</u>	discs, large homolog 1 (Drosophila)
<u>EDA2R</u>	ectodysplasin A2 receptor
<u>EEF1A1</u>	eukaryotic translation elongation factor 1 alpha 1

EEF2K	eukaryotic elongation factor 2 kinase
EGFR	epidermal growth factor receptor
EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3
ERBB4	erb-b2 receptor tyrosine kinase 4
FER	fer (fps/fes related) tyrosine kinase
FGF2	fibroblast growth factor 2 (basic)
FN1	fibronectin 1
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)
HK2	hexokinase 2
HMCN1	hemicentin 1
HMGA1	high mobility group AT-hook 1
HOXA10	homeobox A10
HTRA1	HtrA serine peptidase 1

IGF1R	insulin-like growth factor 1 receptor
IKZF3	IKAROS family zinc finger 3 (Aiolos)
ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
ITGA6	integrin, alpha 6
ITGA8	integrin, alpha 8
ITGAV	integrin, alpha V

[ITGB1](#) integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

[KDR](#) kinase insert domain receptor

[KL](#) klotho

[KRAS](#) Kirsten rat sarcoma viral oncogene homolog

[LGALS1](#) lectin, galactoside-binding, soluble, 1

[LRP1](#) low density lipoprotein receptor-related protein 1

[LTB4R2](#) leukotriene B4 receptor 2

[MAPK1](#) mitogen-activated protein kinase 1

[MAPK3](#) mitogen-activated protein kinase 3

[MAVS](#) mitochondrial antiviral signaling protein

[MCL1](#) myeloid cell leukemia 1

MDM2	MDM2 proto-oncogene, E3 ubiquitin protein ligase
MET	MET proto-oncogene, receptor tyrosine kinase
MGAT5	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
MIR200C	microRNA 200c
MMP11	matrix metallopeptidase 11
MMP13	matrix metallopeptidase 13
MMP2	matrix metallopeptidase 2
MTA1	metastasis associated 1
MTOR	mechanistic target of rapamycin (serine/threonine kinase)
MYBBP1A	MYB binding protein (P160) 1a
NRP1	neuropilin 1
NTE3	neurotrophin 3

NTRK2	neurotrophic tyrosine kinase, receptor, type 2
OLFEM3	olfactomedin 3
PAK1	p21 protein (Cdc42/Rac)-activated kinase 1
PAK4	p21 protein (Cdc42/Rac)-activated kinase 4
PECAM1	platelet/endothelial cell adhesion molecule 1
PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma
PLK1	polo-like kinase 1
PRKCA	protein kinase C, alpha
PRKD1	protein kinase D1
PTEN	phosphatase and tensin homolog

PTHLH	parathyroid hormone-like hormone
PTK2	protein tyrosine kinase 2
PTK2B	protein tyrosine kinase 2 beta
PTK6	protein tyrosine kinase 6
PTPN11	protein tyrosine phosphatase, non-receptor type 11
PTRH2	peptidyl-tRNA hydrolase 2
RAD9A	RAD9 homolog A (S. pombe)
RHOA	ras homolog family member A
RHOC	ras homolog family member C
RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1
ROCK1	Rho-associated, coiled-coil containing protein kinase 1

S100A4	S100 calcium binding protein A4
SCRIB	scribbled planar cell polarity protein
SH3GLB1	SH3-domain GRB2-like endophilin B1
SIK1	salt-inducible kinase 1
SIRPA	signal-regulatory protein alpha
SIRT3	sirtuin 3
SKP2	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
SLCO1B3	solute carrier organic anion transporter family, member 1B3
SMAD4	SMAD family member 4
SNAI2	snail family zinc finger 2
SRC	SRC proto-oncogene, non-receptor tyrosine kinase

<u>STAT3</u>	signal transducer and activator of transcription 3 (acute-phase response factor)
<u>STK11</u>	serine/threonine kinase 11
<u>TAGLN</u>	transgelin
<u>TGFB1</u>	transforming growth factor, beta 1
<u>THBS1</u>	thrombospondin 1
<u>TIMP1</u>	TIMP metalloproteinase inhibitor 1
<u>TP53</u>	tumor protein p53
<u>TPM1</u>	tropomyosin 1 (alpha)
<u>UCHL1</u>	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
<u>USP9X</u>	ubiquitin specific peptidase 9, X-linked
<u>WISP3</u>	WNT1 inducible signaling pathway protein 3

[WNT2](#)

wingless-type MMTV integration site family
member 2

[XIAP](#)

X-linked inhibitor of apoptosis, E3 ubiquitin
protein ligase

[YWHAZ](#)

tyrosine 3-monooxygenase/tryptophan 5-
monooxygenase activation protein, zeta