



EPIGENETIC ASSAYS LIST

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
HDAC1	HDAC1	histone deacetylase 1	GON-10, HD1, RPD3L1	HDAC
HDAC2	HDAC2	histone deacetylase 2	RPD3, YAF1	HDAC
HDAC3	HDAC3	histone deacetylase 3	HD3, RPD3, RPD3-2	HDAC
HDAC4	HDAC4	histone deacetylase 4	HA6116, HD4, HDAC-A, HDACA, KIAA0288, BDMR	HDAC
HDAC5	HDAC5	histone deacetylase 5	FLJ90614, KIAA0600, NY-CO-9	HDAC
HDAC6	HDAC6	histone deacetylase 6	FLJ16239, HD6, JM21, KIAA0901, PPP1R90	HDAC
HDAC7	HDAC7	histone deacetylase 7	DKFZP586J0917, HDAC7A	HDAC
HDAC8	HDAC8	histone deacetylase 8	RPD3, HDACL1, MRXS6, WTS	HDAC
HDAC9	HDAC9	histone deacetylase 9	HD7, HDAC, HDAC7B, KIAA0744, MITR	HDAC
HDAC10	HDAC10	histone deacetylase 10	DKFZP761B039	HDAC
HDAC11	HDAC11	histone deacetylase 11	-	HDAC
SIRT1	SIRT1	sirtuin 1	SIR2L1	HDAC
SIRT2	SIRT2	sirtuin 2	SIR2L	HDAC
SIRT3	SIRT3	sirtuin 3	SIR2L3	HDAC
GCN5	GCN5	lysine acetyltransferase 2A	GCN5, PCAF-b, GCN5L2	HAT
PCAF	PCAF	lysine acetyltransferase 2B	GCN5, GCN5L, PCAF, GCN5L2	HAT
CREBBP	CREBBP	CREB binding protein	CBP, KAT3A, RTS, RSTS	HAT
EP300	EP300	E1A binding protein p300	KAT3B, p300	HAT
TIP60	TIP60	lysine acetyltransferase 5	cPLA2, ESA1, HTATIP1, PLIP, TIP60, ZC2HC5	HAT
MYST4	MYST4	lysine acetyltransferase 6B	Morf, MOZ2, qkf, querkopf, ZC2HC6B	HAT
MYST2	MYST2	lysine acetyltransferase 7	HBO1, HBOA, ZC2HC7	HAT
HAT1	HAT1	histone acetyltransferase 1	KAT1	HAT



EPIGENETIC ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
MYST3	MYST3	lysine acetyltransferase 6A	MOZ, ZC2HC6A, RUNXBP2, ZNF220	HAT
MYST1	MYST1	lysine acetyltransferase 8	FLJ14040, hMOF, MOF, ZC2HC8	HAT
EP300	EP300	E1A binding protein p300	KAT3B, p300	HAT
G9a	G9a	euchromatic histone-lysine N-methyltransferase 2	Em:AF134726.3, G9A, KMT1C, NG36/G9a, BAT8, C6orf30	PMT
EZH2	EZH2	enhancer of zeste 2 polycomb repressive complex 2 subunit	ENX-1, EZH1, KMT6, KMT6A	PMT
SUV39H1	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	KMT1A, SUV39H	PMT
SUV39H2	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	FLJ23414, KMT1B	PMT
SET7/9	SET7/9	SET domain containing (lysine methyltransferase) 7	KIAA1717, KMT7, SET7, SET7/9, Set9	PMT
SETD8	SETD8	SET domain containing (lysine methyltransferase) 8	PR-Set7, SETO7, SET8, SETD8	PMT
MLL	MLL	septin 9	AF17q25, KIAA0991, MSF1, PNUTL4, SeptD1, MSF	PMT
CARM1	CARM1	coactivator-associated arginine methyltransferase 1	PRMT4	PMT
PRMT1	PRMT1	protein arginine methyltransferase 1	ANM1, HCP1, HRMT1L2	PMT
PRMT3	PRMT3	protein arginine methyltransferase 3	HRMT1L3	PMT
PRMT5	PRMT5	protein arginine methyltransferase 5	SKB1Hs, HRMT1L5, SKB1	PMT
LSD1	LSD1	lysine (K)-specific demethylase 1A	BHC110, KIAA0601, LSD1, AOF2, KDM1	KDM
JMJD1A	JMJD1A	lysine (K)-specific demethylase 3A	JHMD2A, KIAA0742, TSGA, JMJD1, JMJD1A	KDM
JMJD2A	JMJD2A	lysine (K)-specific demethylase 4A	JHDM3A, KIAA0677, TDRD14A, JMJD2, JMJD2A	KDM
JMJD2B	JMJD2B	lysine (K)-specific demethylase 4B	KIAA0876, TDRD14B, JMJD2B	KDM
JMJD2C	JMJD2C	lysine (K)-specific demethylase 4C	GASC1, KIAA0780, TDRD14C, JMJD2C	KDM



EPIGENETIC ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
JMJD2D	JMJD2D	lysine (K)-specific demethylase 4D	FLJ10251, JMJD2D	KDM
JMJD2E	JMJD2E	lysine (K)-specific demethylase 4E	JMJD2E, KDM5E, KDM4DL	KDM
JMJD3	JMJD3	lysine (K)-specific demethylase 6B	KIAA0346, JMJD3	KDM
FBXL10	FBXL10	lysine (K)-specific demethylase 2B	CXXC2, Fbl10, JHDM1B, PCCX2, FBXL10	KDM
FBXL11	FBXL11	lysine (K)-specific demethylase 2A	CXXC8, DKFZP434M1735, FBL11, FBL7, FLJ00115, JHDM1A, KIAA1004, LILINA, FBXL11	KDM
AMSH-LP	STAMBPL1	STAM binding protein like 1	ALMalpha, AMSH-FP, AMSH-LP, bA399O19.2, FLJ31524, KIAA1373	DUB
Ataxin-3	ATXN3	ataxin 3	ATX3, JOS, MJD, SCA3	DUB
Ataxin-3L	ATXN3	ataxin 3	ATX3, JOS, MJD, SCA3	DUB
BAP1	BAP1	BRCA1 associated protein 1	hucep-6, KIAA0272, UCHL2	DUB
CYLD	CYLD	CYLD lysine 63 deubiquitinase	KIAA0849, USPL2, CYLD1	DUB
JOSD1	JOSD1	Josephin domain containing 1	KIAA0063	DUB
JOSD2	JOSD2	Josephin domain containing 2	SBBI54	DUB
OTU1	YOD1	YOD1 deubiquitinase	DKFZp451J1719, DUBA8, OTUD2	DUB
OTUD3	OTUD3	OTU deubiquitinase 3	DUBA4, KIAA0459	DUB
OTUD5	OTUD5	OTU deubiquitinase 5	DKFZp761A052, DUBA	DUB
OTUD6A	OTUD6A	OTU deubiquitinase 6A	DUBA2, FLJ25831, HSHIN6	DUB
OTUD6B	OTUD6B	OTU domain containing 6B	CGI-77, DUBA5	DUB
OTUD7B/ Cezanne	OTUD7B	OTU deubiquitinase 7B	CEZANNE, ZA20D1	DUB
UCHL1	UCHL1	ubiquitin C-terminal hydrolase L1	PGP9.5, -, Uch-L1, PARK5	DUB
UCHL3	UCHL3	ubiquitin C-terminal hydrolase L3	-	DUB
UCHL5	UCHL5	ubiquitin C-terminal hydrolase L5	CGI-70, INO80R, UCH37	DUB
USP1/UAF1	USP1	ubiquitin specific peptidase 1 with WD Repeat Endosomal Protein	-	DUB



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ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
USP10	USP10	ubiquitin specific peptidase 10	KIAA0190, UBPO	DUB
USP13	USP13	ubiquitin specific peptidase 13 (isopeptidase T-3)	IsoT-3	DUB
USP15FL	USP15	ubiquitin specific peptidase 15	KIAA0529, UNPH4	DUB
USP19	USP19	ubiquitin specific peptidase 19	KIAA0891, ZMYND9	DUB
USP2 (isoform4)	USP2	ubiquitin specific peptidase 2	UBP41	DUB
USP20	USP20	ubiquitin specific peptidase 20	KIAA1003	DUB
USP21	USP21	ubiquitin specific peptidase 21	USP16, USP23	DUB
USP22FL	USP22	ubiquitin specific peptidase 22, ubiquitin specific peptidase 3-like	KIAA1063, USP3L	DUB
USP24	USP24	ubiquitin specific peptidase 24	KIAA1057	DUB
USP25	USP25	ubiquitin specific peptidase 25	USP21	DUB
USP28	USP28	ubiquitin specific peptidase 28	KIAA1515	DUB
USP30	USP30	ubiquitin specific peptidase 30	FLJ40511, MGC10702	DUB
USP36	USP36	ubiquitin specific peptidase 36	FLJ12851, KIAA1453	DUB
USP4FL	USP4	ubiquitin specific peptidase 4	Unph, UNP	DUB
USP45	USP45	ubiquitin specific peptidase 45	MGC14793	DUB
USP47	USP47	ubiquitin specific peptidase 47	-	DUB
USP5	USP5	ubiquitin specific peptidase 5	IsoT	DUB
USP6	USP6	ubiquitin specific peptidase 6 (Tre-2 oncogene)	TRE17, Tre2, HRP1, TRESMCR	DUB
USP7	USP7	ubiquitin specific peptidase 7 (herpes virus-associated)	HAUSP	DUB
USP8	USP8	ubiquitin specific peptidase 8	HumORF8, KIAA0055, SPG59, UBPY	DUB
USP9x	USP9X	ubiquitin specific peptidase 9, X-linked	DFFRX, FAF, MRX99	DUB



EPIGENETIC ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
PARP1	PARP1	poly(ADP-ribose) polymerase family member 1		PARP
PARP2	PARP2	poly(ADP-ribose) polymerase family member 2		PARP
PARP3	PARP3	poly(ADP-ribose) polymerase family member 3		PARP
PARP5A	TNKS	tankyrase		PARP
PARP5B	TNKS2	tankyrase2		PARP
PARP6	PARP6	poly(ADP-ribose) polymerase family member 6		PARP
PARP7	PARP8	poly(ADP-ribose) polymerase family member 7		PARP
PARP10	PARP10	poly(ADP-ribose) polymerase family member 10		PARP
PARP11	PARP11	poly(ADP-ribose) polymerase family member 11		PARP
PARP12	PARP12	poly(ADP-ribose) polymerase family member 12		PARP
PARP14	PARP14	poly(ADP-ribose) polymerase family member 14		PARP
PARP15	PARP15	poly(ADP-ribose) polymerase family member 15		PARP

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