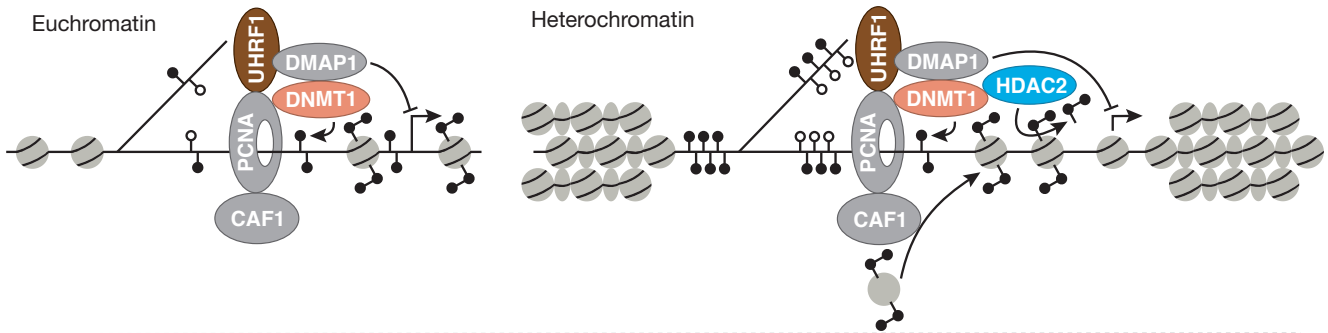
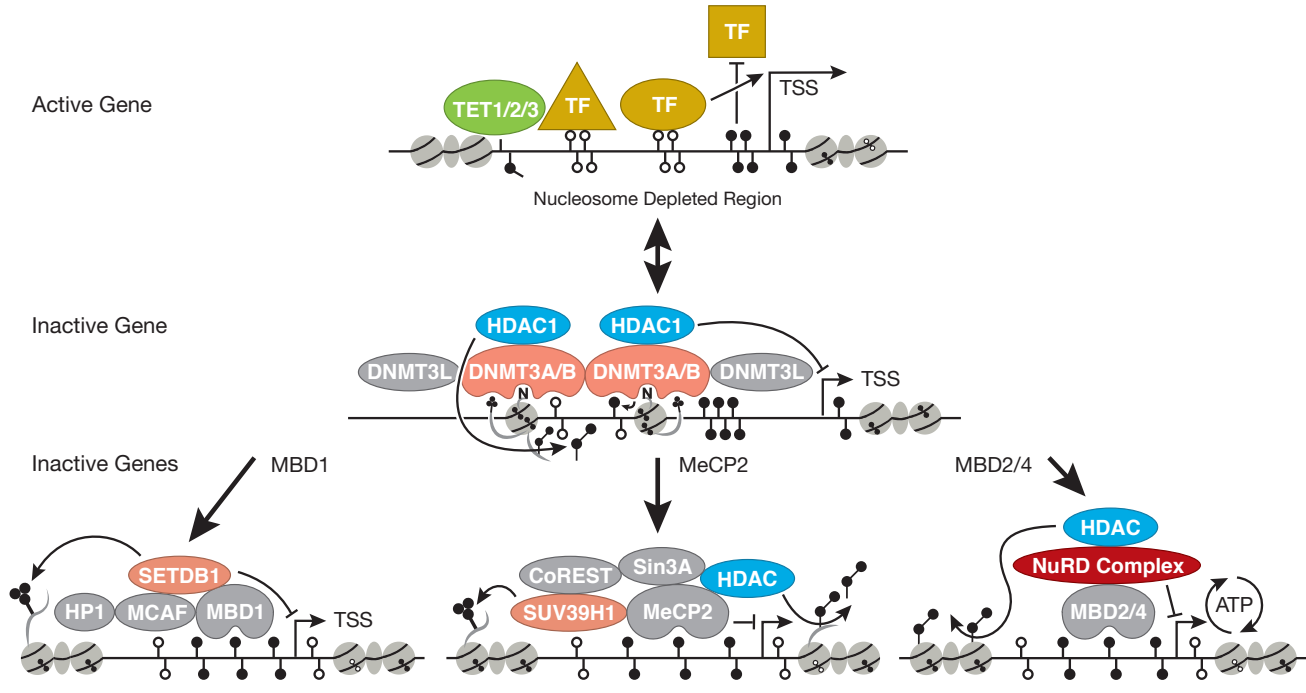


DNA Methylation

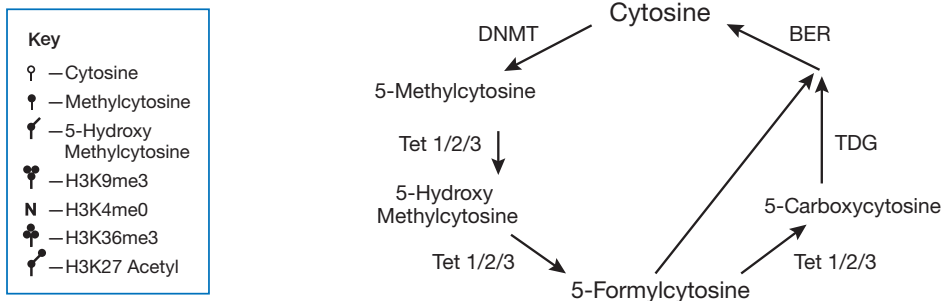
Maintenance Methylation During DNA Replication



De Novo Cytosine Methylation



Tet-Mediated Cytosine Demethylation



Maintenance Methylation During DNA Methylation

Visit www.cellsignal.com for a full listing of antibodies, related kits, and reagents.

ANTIBODIES & KITS

	APPLICATIONS	REACTIVITY
#36836 5-Carboxylcytosine (5-caC) (D7S8U) Rabbit mAb	IF-IC Dot Blot	All
#5480 CHAF1A (D77D5) XP® Rabbit mAb	WB, IP, IF-IC	H, Mk
#4241 CHD3 Antibody	WB, IP	H, M, Mk
#12011 CHD4 (D4B7) Rabbit mAb	WB, IF-IC, ChIP ChIP-seq	H, M, R, Mk, (Hm), (B) (Pg), (GP), (Hr)
#11912 CHD4 (D8B12) Rabbit mAb	WB, IP	H, M, R, Mk, (B), (Pg) (GP), (Hr)
#14567 CoREST (D6I2U) Rabbit mAb	WB	H
#3418 CTCF (D31H2) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC ChIP, ChIP-seq	H, M, R, Mk, (B), (Hr)
#2899 CTCF Antibody	WB, IP, IF-IC, ChIP	H, M, R, Mk
#40672 CXXC1 (D1R5R) Rabbit mAb	WB, IP, ChIP	H
#9725 Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb	WB, IP, IHC-P, IF-IC, F ChIP, ChIP-seq	H, M, R, Mk
#4658 Di-Methyl-Histone H3 (Lys9) (D85B4) XP® Rabbit mAb	WB, IP, IF-IC, F, ChIP ChIP-seq	H, M, R, Mk, (Dm), (X), (Z), (B), (Pg), (Sc), (Ce)
#2901 Di-Methyl-Histone H3 (Lys36) (C75H12) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk
#19115 DNAP1 (D4O2G) Rabbit mAb	WB	H, M, R, Mk
#5032 DNMT1 (D63A6) XP® Rabbit mAb	WB, IF-IC, F	H, M, R, Mk, (Hm), (B), (Dg), (GP), (Hr)
#3598 DNMT3A (D23G1) Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk, B, (Hm), (Dg), (GP), (Hr)
#2160 DNMT3A Antibody	WB, IP	H, M, R, Mk, (B)
#67259 DNMT3B (D7070) Rabbit mAb	WB, IP, IF-IC	H
#13451 DNMT3L (E1Y7Q) Rabbit mAb (Mouse Specific)	WB, IP	M
#93212 ESET (D4M8R) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC ChIP, ChIP-seq	H, M, R, Mk
#74178 5-Formylcytosine (5-fC) (D5D4K) Rabbit mAb	IF-IC Dot Blot	All
#34589 HDAC1 (D5C6U) XP® Rabbit mAb	WB, IP, IF-IC, ChIP ChIP-seq	H, M, R, Mk
#5356 HDAC1 (10E2) Mouse mAb	WB, IP	H, M, R, Mk
#57156 HDAC2 (D6S5P) Rabbit mAb	WB, IP, IF-IC, ChIP ChIP-seq	H, M, R, Mk
#5113 HDAC2 (3F3) Mouse mAb	WB, IP, IF-IC	H, M, R, Mk
#2718 Histone H2A.Z Antibody	WB, IP, IF-IC	H, M, R, Mk, Z, (C) (X), (B)
#2619 HP1gamma Antibody	WB, IP, IF-IC F	H, M, R, Mk
#2623 HP1a/b (C7F11) Rabbit mAb	WB, IP, IHC-P, IF-IC	H, M, R, Mk

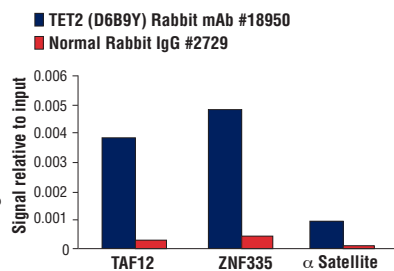
ANTIBODIES & KITS

	APPLICATIONS	REACTIVITY
#2616 HP1a Antibody	WB, IP, IHC-P, IF-IC F, ChIP	H, M, R, Mk (B)
#8676 HP1B (D2F2) XP® Rabbit mAb	WB, IP, IF-IC, ChIP ChIP-seq	H, M, R, Mk, (Hm), (B), (GP)
#51660 5-Hydroxymethylcytosine (5-hmC) (HMC31) Mouse mAb	IF-IC Dot Blot, MeDIP	All
#99169 MBD3 (D1B8F) Rabbit mAb	WB, ChIP	H, M, R, Mk
#3456 MeCP2 (D4F3) XP® Rabbit mAb	WB, IP IHC-P IF-IC F	H, M, R, Mk
#28692 5-Methylcytosine (5-mC) (D3S2Z) Rabbit mAb	IF-IC Dot Blot MeDIP	All
#5647 MTA1 (D40D1) XP® Rabbit mAb	WB, IHC-P	H, M, R, Mk
#13110 PCNA (D3H8P) XP® Rabbit mAb	WB, IP IHC-P IF-F IF-IC F	H, M, R, Mk
#2586 PCNA (PC10) Mouse mAb	WB, IP IHC-P IF-IC F	H, M, R, Mk, B, Pg
#9067 RBAP46/RBAP48 (D4F8) Rabbit mAb	WB	H, M, R, Mk, (Hm), (C), (GP)
#6882 RBAP46 (V415) Antibody	WB, IP IF-IC	H, M, R, Mk, (Pg), (Hr)
#7691 SIN3A (D1B7) Rabbit mAb	WB, ChIP	H, M, R, Mk, (Pg), (Hr)
#8056 SIN3A (D9D6) Rabbit mAb	WB, IP IF-IC ChIP	H, Mk
#8729 SUV39H1 (D11B6) Rabbit mAb	WB, IP	H, M, R, Mk, (B)
#18950 TET2 (D6B9Y) Rabbit mAb	WB, IP ChIP	H
#36449 TET2 (D6C7K) Rabbit mAb (Mouse Specific)	WB, IP IF-IC F	M
#92529 TET2 (D9K3E) Rabbit mAb (Mouse Specific)	WB, ChIP ChIP-seq	M
#45010 TET2 Antibody	WB, IP	H, M, Mk
#9751 Tri-Methyl-Histone H3 (Lys4) (C42D8) Rabbit mAb	WB, IHC-P IF-IC F ChIP ChIP-seq	H, M, R, Mk, Dm, Sc, (X), (Z)
#13969 Tri-Methyl-Histone H3 (Lys9) (D4W1U) Rabbit mAb	WB, IP IF-IC F ChIP ChIP-seq	H, M, R, Mk, (B)
#4909 Tri-Methyl-Histone H3 (Lys36) (D5A7) XP® Rabbit mAb	WB, IHC-P IF-IC F ChIP ChIP-seq	H, M, R, Mk, (Hm), (C) (Dm), (X), (Z), (B)
#12387 UHRF1 (D6G8E) Rabbit mAb	WB, IP	H, M, R

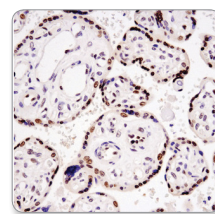
Related Products

- #97763** DNA Cytosine Modification Antibody Sampler Kit
- #76853** SimpleDIP™ Methylated DNA IP (MeDIP) Kit
- #95176** SimpleDIP™ Hydroxymethylated DNA IP (hMeDIP) Kit
- #56383** SimpleChIP® Plus Sonication Chromatin IP Kit
- #9005** SimpleChIP® Plus Enzymatic Chromatin IP Kit (Magnetic Beads)

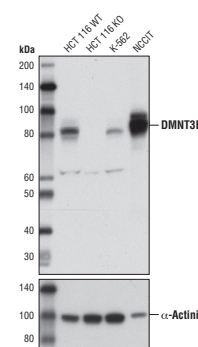
For Research Use Only. Not For Use In Diagnostic Procedures. 18-EPI-8855-FLY1-E1



TET2 (D6B9Y) Rabbit mAb #18950: Chromatin immunoprecipitations were performed with cross-linked chromatin from 293T cells and either 18950 Rabbit mAb or Normal Rabbit IgG #2729 using SimpleChIP® Plus Enzymatic Chromatin IP Kit (Magnetic Beads) #9005. The enriched DNA was quantified by real-time PCR using SimpleChIP® Human ZNF335 Promoter Primers #25946, human TAF12 exon1 primers, and SimpleChIP® Human α Satellite Repeat Primers #4486. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.



DNMT3A (D23G1) Rabbit mAb #3598: Immunohistochemical analysis of paraffin-embedded human placenta using DNMT3A (D23G1) Rabbit mAb.



DNMT3B (D7070) Rabbit mAb #67259: Western blot analysis of extracts from HCT 116 DNMT3B wild-type (HCT 116 WT), HCT 116 DNMT3B knockout (HCT 116 KO), K-562, and NCCIT cells, using DNMT3B (D7070) Rabbit mAb (upper) or α-Actinin (D6F6) XP® Rabbit mAb #6487 (lower).

APPLICATIONS & REACTIVITY KEY: WB Western Blotting / IP Immunoprecipitation / IHC Immunohistochemistry / IF Immunofluorescence / F Flow Cytometry / ChIP Chromatin Immunoprecipitation / -IC Immunocytochemistry / -P Paraffin / -F Frozen / E-P Peptide ELISA / H human / M mouse / R rat / Hm hamster / Mk monkey / C chicken / Mi mink / Dm D. melanogaster / X Xenopus / Z zebrafish / B bovine / Dg dog / Pg pig / Sc S. cerevisiae / All all species expected / () 100% sequence homology

© 2018 Cell Signaling Technology, Inc. Cell Signaling Technology, CST, and XP are trademarks of Cell Signaling Technology, Inc. U.S. Patent No. 5,675,063. All other trademarks are the property of their respective owners.

For pathway key and background please visit:

www.cellsignal.com//dnamethylation