

(Mouse) Uhrf1 Antibody (C-term)

Catalog_no :	AB3222
Reactivity :	M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This Mouse Uhrf1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 596-628 amino acids from the C-terminal region of Mouse Uhrf1.
Dilution :	WB,1:1000;WB,1:2000;
Other_name :	E3 ubiquitin-protein ligase UHRF1, 632-, Nuclear protein 95, Nuclear zinc finger protein Np95, Ubiquitin-like PHD and RING finger domain-containing protein 1, mUhrf1, Ubiquitin-like-containing PHD and RING finger domains protein 1, Uhrf1, Np95
Isotype :	Rabbit Ig
Background :	Multidomain protein that acts as a key epigenetic regulator by bridging DNA methylation and chromatin modification. Specifically recognizes and binds hemimethylated DNA at replication forks via its YDG domain and recruits DNMT1 methyltransferase to ensure faithful propagation of the DNA methylation patterns through DNA replication. In addition to its role in maintenance of DNA methylation, also plays a key role in chromatin modification: through its tudor-like regions and PHD- type zinc fingers, specifically recognizes and binds histone H3 trimethylated at 'Lys-9' (H3K9me3) and unmethylated at 'Arg-2' (H3R2me0), respectively, and recruits chromatin proteins. Enriched in pericentric heterochromatin where it recruits different chromatin modifiers required for this chromatin replication. Also localizes to euchromatic regions where it negatively regulates transcription possibly by impacting DNA methylation and histone modifications. Has E3 ubiquitin-protein ligase activity by mediating the ubiquitination of target proteins such as histone H3 and PML. It is still unclear how E3 ubiquitin-protein ligase activity is related to its role in chromatin in vivo. May be involved in DNA repair.
reference :	Fujimori A.,et al.Mamm. Genome 9:1032-1035(1998). Davenport J.W.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases. Carninci P.,et al.Science 309:1559-1563(2005). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009). Muto M.,et al.J. Bi