

Anti-(Mouse) Uhrf1 Antibody (C-term)

Catalog Number: M01156-1

About Uhrf1

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.

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Overview

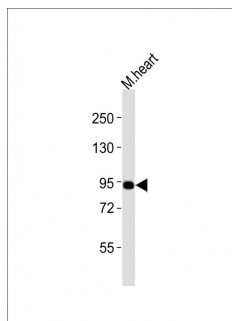
Product Name	Anti-(Mouse) Uhrf1 Antibody (C-term)
Reactive Species	Mouse
Description	Boster Bio Anti-(Mouse) Uhrf1 Antibody (C-term) (Catalog # M01156-1). Tested in WB application(s). This antibody reacts with Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8VDF2

Technical Details

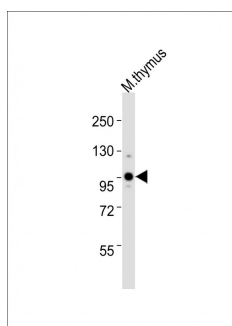
Immunogen	This Mouse Uhrf1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic
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	peptide between 596-628 amino acids from the C-terminal region of Mouse Uhrf1.
Predicted Reactive Species	Bovine, Sheep
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Anti-(Mouse) Uhrf1 Antibody (C-term) (M01156-1) Images



Anti-Uhrf1 Antibody (C-term) at 1:1000 dilution + mouse heart lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 88 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.



Anti-Uhrf1 Antibody (C-term) at 1:2000 dilution + mouse thymus lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 88 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.

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