

Datasheet for ABIN3029441
anti-UHRF1 antibody (N-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	UHRF1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UHRF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This UHRF1 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 592-626 amino acids from the N-terminal region of human UHRF1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	UHRF1
Alternative Name:	UHRF1 (UHRF1 Products)
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

Target Details

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.

UniProt: [Q96T88](#)

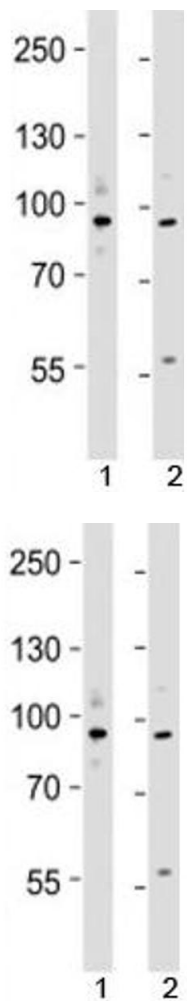
Application Details

Application Notes: Titration of the UHRF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:4000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the UHRF1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot testing of UHRF1 antibody at 1:4000 dilution; Lane 1: KG-1 lysate, 2: MCF-7 lysate; Predicted molecular weight ~ 88 kDa.

Western Blotting

Image 2. Western blot testing of UHRF1 antibody at 1:4000 dilution