

Datasheet for ABIN6243327  
**anti-UHRF1 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	UHRF1
Binding Specificity:	AA 592-626, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UHRF1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This UHRF1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 592-626 amino acids from the N-terminal region of human UHRF1.
Clone:	RB51392
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	UHRF1
Alternative Name:	UHRF1 ( <a href="#">UHRF1 Products</a> )
Background:	Multidomain protein that acts as a key epigenetic regulator by bridging DNA methylation and

## Target Details

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.

Molecular Weight: 89814

UniProt: [Q96T88](#)

## Application Details

Application Notes: WB: 1:4000

Restrictions: For Research Use only

## Handling

Format: Liquid

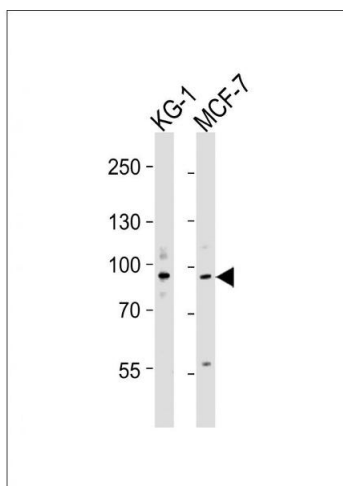
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C, -20 °C

Expiry Date: 6 months



### Western Blotting

**Image 1.** All lanes : Anti-UHRF1 Antibody (N-term) at 1:4000 dilution Lane 1: KG-1 whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 90 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.