

# UHRF2 antibody - middle region

Rabbit Polyclonal Antibody  
Catalog # AI10140

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q96PU4</a>
<b>Other Accession</b>	<a href="#">Q96PU4</a> , <a href="#">NP_690856</a> , <a href="#">NM_152896</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	89985

## Additional Information

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<b>Gene ID</b>	115426
<b>Alias Symbol</b>	DKFZp434B0920, DKFZp686G0837, MGC33463, NIRF, RNF107, RP11-472F14.2, URF2
<b>Other Names</b>	E3 ubiquitin-protein ligase UHRF2, 632-, Np95/ICBP90-like RING finger protein, Np95-like RING finger protein, Nuclear protein 97, Nuclear zinc finger protein Np97, RING finger protein 107, Ubiquitin-like PHD and RING finger domain-containing protein 2, Ubiquitin-like-containing PHD and RING finger domains protein 2, UHRF2, NIRF, RNF107
<b>Target/Specificity</b>	UHRF2 encodes a nuclear protein which is involved in cell-cycle regulation. The encoded protein is a ubiquitin-ligase capable of ubiquinating PCNP (PEST-containing nuclear protein), and together they may play a role in tumorigenesis. This gene encodes a nuclear protein which is involved in cell-cycle regulation. The encoded protein is a ubiquitin-ligase capable of ubiquinating PCNP (PEST-containing nuclear protein), and together they may play a role in tumorigenesis.
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-UHRF2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	UHRF2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

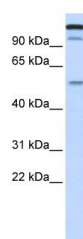
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<b>Name</b>	UHRF2
<b>Synonyms</b>	NIRF, RNF107
<b>Function</b>	<p>E3 ubiquitin ligase that plays important roles in DNA methylation, histone modifications, cell cycle and DNA repair (PubMed:<a href="#">15178429</a>, PubMed:<a href="#">23404503</a>, PubMed:<a href="#">27743347</a>, PubMed:<a href="#">29506131</a>). Acts as a specific reader for 5-hydroxymethylcytosine (5hmC) and thereby recruits various substrates to these sites to ubiquitinate them (PubMed:<a href="#">24813944</a>, PubMed:<a href="#">27129234</a>). This activity also allows the maintenance of 5mC levels at specific genomic loci and regulates neuron-related gene expression (By similarity). Participates in cell cycle regulation by ubiquitinating cyclins CCND1 and CCNE1 and thereby inducing G1 arrest (PubMed:<a href="#">15178429</a>, PubMed:<a href="#">15361834</a>, PubMed:<a href="#">21952639</a>). Also ubiquitinates PCNP leading to its degradation by the proteasome (PubMed:<a href="#">12176013</a>, PubMed:<a href="#">14741369</a>). Plays an active role in DNA damage repair by ubiquitinating p21/CDKN1A leading to its proteasomal degradation (PubMed:<a href="#">29923055</a>). Also promotes DNA repair by acting as an interstrand cross-links (ICLs) sensor. Mechanistically, cooperates with UHRF1 to ensure recruitment of FANCD2 to ICLs, leading to FANCD2 monoubiquitination and subsequent activation (PubMed:<a href="#">30335751</a>). Contributes to UV-induced DNA damage response by physically interacting with ATR in response to irradiation, thereby promoting ATR activation (PubMed:<a href="#">33848395</a>).</p>
<b>Cellular Location</b>	<p>Nucleus {ECO:0000255   PROSITE-ProRule:PRU00358, ECO:0000269   PubMed:12176013, ECO:0000269   PubMed:23404503, ECO:0000269   PubMed:27129234, ECO:0000269   PubMed:27743347, ECO:0000269   PubMed:29923055, ECO:0000269   PubMed:30335751}. Chromosome. Note=Enriched at genomic loci that are enriched for 5-hydroxymethylcytosine (5hmC)</p>

## Background

This is a rabbit polyclonal antibody against UHRF2. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

## Images



UHRF2 antibody - middle region (AI10140) in Human Liver cells using Western Blot  
 WB Suggested Anti-UHRF2 Antibody Titration: 0.2-1 µg/ml  
 ELISA Titer: 1:62500  
 Positive Control: Human Liver

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.