

**Uhrf2 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10727****Specification**

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**Uhrf2 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q7TMI3</a>
Other Accession	<a href="#">NM_144873</a> , <a href="#">NP_659122</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rabbit, Pig, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 90kDa KDa

**Uhrf2 antibody - N-terminal region - Additional Information****Gene ID** 109113**Alias Symbol** 2310065A22Rik, AI426270, AW214556, D130071B19Rik, Nirf**Other Names**

E3 ubiquitin-protein ligase UHRF2, 6.3.2.-, NIRF, Np95-like ring finger protein, Nuclear protein 97, Nuclear zinc finger protein Np97, Ubiquitin-like PHD and RING finger domain-containing protein 2, Ubiquitin-like-containing PHD and RING finger domains protein 2, Uhrf2, Nirf

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

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.

**Precautions**

Uhrf2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Uhrf2 antibody - N-terminal region - Protein Information****Name** Uhrf2**Synonyms** Nirf**Function**

E3 ubiquitin ligase that plays important roles in DNA methylation, histone modifications, cell cycle and DNA repair. Acts as a specific reader for 5-hydroxymethylcytosine (5hmC) and thereby recruits various substrates to these sites to ubiquitinate them (PubMed:<a

href="http://www.uniprot.org/citations/23434322" target="\_blank">23434322</a>, PubMed:<a href="http://www.uniprot.org/citations/28402695" target="\_blank">28402695</a>). This activity also allows the maintenance of 5mC levels at specific genomic loci and regulates neuron-related gene expression (PubMed:<a href="http://www.uniprot.org/citations/28115522" target="\_blank">28115522</a>). Participates in cell cycle regulation by ubiquitinating cyclins CCND1 and CCNE1 and thus inducing G1 arrest. Ubiquitinates also PCNP leading to its degradation by the proteasome. Plays an active role in DNA damage repair by ubiquitinating p21/CDKN1A leading to its proteasomal degradation. Promotes also 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. Contributes to UV-induced DNA damage response by physically interacting with ATR in response to irradiation, thereby promoting ATR activation (By similarity).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00358, ECO:0000269|PubMed:21598301}.  
Chromosome {ECO:0000250|UniProtKB:Q96PU4}. Note=Enriched at genomic loci that are enriched for 5-hydroxy-methylcytosine (5hmC) {ECO:0000250|UniProtKB:Q96PU4}

#### Tissue Location

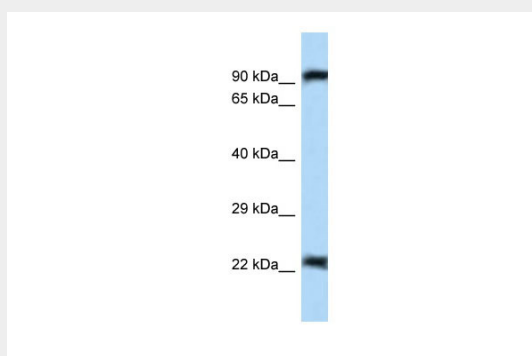
Mostly detected in several tissues, including the thymus, spleen, lung, adrenal gland, and ovary. In addition, found in several tissues in the brain (cerebellum, hippocampus, and cerebral cortex).

#### Uhrf2 antibody - N-terminal region - Protocols

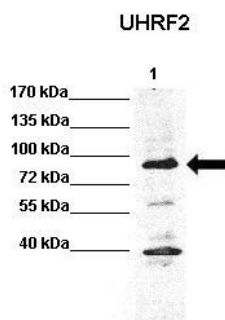
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Uhrf2 antibody - N-terminal region - Images



WB Suggested Anti-Uhrf2 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Pancreas



WB Suggested Anti-Uhrf2 Antibody

Positive Control: Lane 1: 60ug HCT116 lysate

Primary Antibody Dilution : 1:1000

Secondary Antibody : Anti rabbit-HRP

Secondary Antibody Dilution : 1:5,000

Submitted by: Chinweike Ukomadu, Brigham and Women's Hospital, Boston