

Rabbit anti-Human, Rat UHRF2 Polyclonal Antibody | anti-UHRF2 antibody

UHRF2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326685	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UHRF2; Polyclonal Antibody; UHRF2 Antibody; DKFZp434B0920; DKFZp686G0837; E3 ubiquitin-protein ligase UHRF2; MGC33463; Np95 like RING finger protein; Np95-like ring finger protein; Np95/ICBP90 like RING finger protein; Np95/ICBP90-like RING finger protein; Nuclear protein 97; Nuclear zinc finger protein Np97; RING finger protein 107; RNF 107; RP11-472F14.2; Ubiquitin like containing PHD and RING finger domains protein 2; Ubiquitin-like PHD and RING finger domain-containing protein 2; Ubiquitin-like-containing PHD and RING finger domains protein 2; Uhrf2; UHRF2_HUMAN; URF 2; anti-UHRF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UHRF2 antibody detects endogenous levels of total UHRF2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	802
Applicable Applications for anti-UHRF2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UHRF2
Subcellular Location	Nucleus.
Tissue Specificity	Up-regulated in proliferating fetal lung fibroblasts and in U-937 myeloid leukemia cells. Down-regulated in these cells by growth arrest and differentiation. In other cell types which cannot leave the cell cycle, such as tumoral HT-1080 and Hep-G2, levels are consistently up-regulated.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326685 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Jurkat whole cell lysates, using UHRF2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326685 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-UHRF2 antibody

Description: 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. The encoded protein contains an NIRF_N domain, a PHD finger, a set-and ring-associated (SRA) domain, and a RING finger domain and several of these domains have been shown to be essential for the regulation of cell proliferation. This protein may also have a role in intranuclear degradation of polyglutamine aggregates. Alternative splicing results in multiple transcript variants some of which are non-protein coding. [provided by RefSeq, Feb 2012]

Function: E3 ubiquitin-protein ligase that is an intermolecular hub protein in the cell cycle network. Through cooperative DNA and histone binding, may contribute to a tighter epigenetic control of gene expression in differentiated cells. Ubiquitinates cyclins, CCND1 and CCNE1, in an apparently phosphorylation-independent manner and induces G1 arrest. Also ubiquitinates PCNP leading to its degradation by the proteasome. E3 SUMO-, but not ubiquitin-, protein ligase for ZNF131.

Subunit Structure: Homodimer; disulfide-linked. Binds methylated CpG containing oligonucleotides. Interacts with H3: the interaction has a preference for the 'Lys-9' trimethylated form of H3 (H3K9me3) (By similarity). Interacts with PCNP, HDAC1 and CDK2 (inactive form). Component of a complex at least composed of UHRF2, CDK2 and CCNE1. Interacts directly with CCNE1; the interaction ubiquitinates CCNE1 and appears independent of CCNE1 phosphorylation. Interacts with CCND1; the interaction ubiquitinates CCND1 and appears independent of CCND1 phosphorylation. Interacts with p53/TP53 and RB1. Interacts with UBE2I.

Post-translational Modifications: May be autoubiquitinated; which may lead to proteasomal degradation. Phosphorylated. Phosphorylation may be mediated by CDK2. Autosumoylated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23312364
NCBI GeneID	115426
NCBI Accession #	NP_690856.1
NCBI GenBank Nucleotide #	NM_152896.2
UniProt Accession #	Q96PU4; Q5VYR1; Q5VYR3; Q659C8; Q8TAG7
Molecular Weight	Observed: 90 kDa Predicted: 90 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase UHRF2
NCBI Official Synonym Full Names	ubiquitin like with PHD and ring finger domains 2

NCBI Official Symbol	UHRF2
NCBI Official Synonym Symbols	NIRF; URF2; RNF107; TDRD23
NCBI Protein Information	E3 ubiquitin-protein ligase UHRF2
UniProt Protein Name	E3 ubiquitin-protein ligase UHRF2
UniProt Gene Name	UHRF2
UniProt Synonym Gene Names	NIRF; RNF107; Np95-like RING finger protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/uhrf2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326685>