

Rabbit anti-Human, Mouse UHRF1 Polyclonal Antibody | anti-UHRF1 antibody

Anti-UHRF1 Antibody Picoband

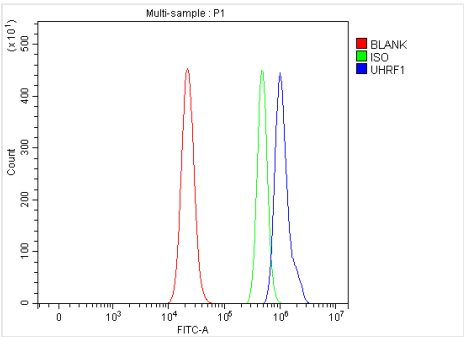
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127040	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

UHRF1; Polyclonal Antibody; Anti-UHRF1 Antibody Picoband; troponin T2; cardiac type ; Troponin T; cardiac muscle; TnTc; Cardiac muscle troponin T; cTnT; TNNT2; anti-UHRF1 antibody

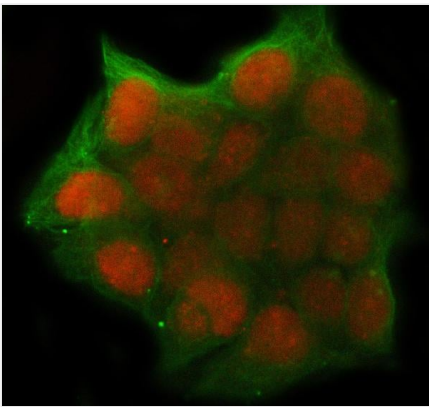
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing adult heart.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-UHRF1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human UHRF1 recombinant protein (Position: K592-R793).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



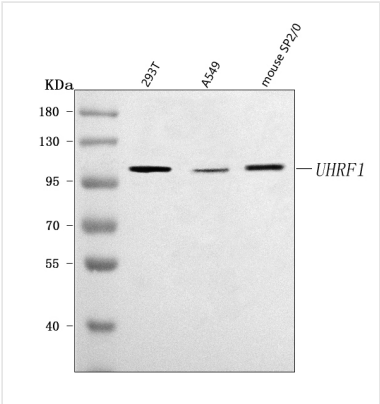
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of RT4 cells using anti-UHRF1 antibody (AAA127040). Overlay histogram showing RT4 cells stained with AAA127040 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-UHRF1 Antibody (AAA127040, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of UHRF1 using anti-UHRF1 antibody (AAA127040) and anti-Tubulin Alpha antibody (M03989-3). UHRF1 was detected in immunocytochemical section of MCF-7 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-UHRF1 Antibody (AAA127040) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of UHRF1 using anti-UHRF1 antibody (AAA127040). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: mouse SP2/O whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-UHRF1 antigen affinity purified polyclonal antibody (#AAA127040) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for UHRF1 at approximately 100 kDa. The expected band size for UHRF1 is at 90 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-UHRF1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-UHRF1 antibody	Primary Antibodies; Actin, etc.; Cardiovascular; Contractility; Cytoskeleton; Cytoskeleton/ECM; Mesenchymal Stem Cells; Microfilaments; Signal Transduction; Stem Cells

References	1. "Entrez Gene: UHRF1 ubiquitin-like, containing PHD and RING finger domains, 1".2. Hopfner R, Mousli M, Jeltsch JM, Voulgaris A, Lutz Y, Marin C, Bellocq JP, Oudet P, Bronner C (Jan 2000)."ICBP90, a novel human CCAAT binding protein, involved in the regulation of topoisomerase IIalpha expression".Cancer Research 60 (1): 121-8.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430235
NCBI GeneID	29128
NCBI Accession #	NP_001041666.1
NCBI GenBank Nucleotide #	NM_001048201.1
UniProt Accession #	Q96T88; Q2HIX7; Q8J022; Q9H6S6; Q9P115; Q9P1U7; A0JBR2; A8K024; B2RBA9
Molecular Weight	Observed Molecular Weight The band size is ~90kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase UHRF1 isoform 1
NCBI Official Synonym Full Names	ubiquitin-like with PHD and ring finger domains 1
NCBI Official Symbol	UHRF1
NCBI Official Synonym Symbols	Np95; hNP95; ICBP90; RNF106; hUHRF1
NCBI Protein Information	E3 ubiquitin-protein ligase UHRF1; huNp95; nuclear protein 95; RING finger protein 106; transcription factor ICBP90; nuclear zinc finger protein Np95; inverted CCAAT box-binding protein of 90 kDa; ubiquitin-like, containing PHD and RING finger domains, 1;
UniProt Protein Name	E3 ubiquitin-protein ligase UHRF1
UniProt Gene Name	UHRF1
UniProt Synonym Gene Names	ICBP90; NP95; RNF106; HuNp95; hNp95; hUHRF1
UniProt Entry Name	UHRF1_HUMAN

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.