



# UHRF1(N-term) mouse mAb

Catalog No	BYab-02354
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	uhrf1
Protein Name	
Immunogen	Purified recombinant human UHRF1 protein fragments expressed in E.coil.
Specificity	This antibody detects endogenous levels of UHRF1 and does not cross-react with related proteins
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ac2-121;AL022808;E3 ubiquitin-protein ligase UHRF1;EC 6.3.2.-;FLJ21925;Hnp95 Huhf1; HuNp95;ICBP90;Inverted CCAAT box binding protein of 90 kDa;Inverted CCAAT box binding protein, 90-Kd;Inverted CCAAT box-binding protein of 90 kDa;Liver regeneration-related protein LRRG126;MGC138707;NP95;Nuclear phosphoprotein, 95-KD;Nuclear protein 95;Nuclear zinc finger protein Np95;RING finger protein 106;RNF106;Transcription factor ICBP90; Ubiquitin like containing PHD and RING finger domains protein 1;Ubiquitin like PHD and RING finger domain containing protein 1;Ubiquitin-like PHD and RING finger domain-containing protein 1;Ubiquitin-like protein containing PHD and RING finger domains 1; Ubiquitin-like with PHD and ring finger domains 1;Ubiquitin-like, containing PHD and RING finger domains, 1;Ubiquitin-like-containing PHD and RING finger domains protein 1;UHRF1;UHRF1_HUMAN.
Observed Band	90kD

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<b>Cell Pathway</b>	Nucleus . Localizes to replication foci. Enriched in pericentric heterochromatin. Also localizes to euchromatic regions.
<b>Tissue Specificity</b>	Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.
<b>Function</b>	developmental stage:Expressed in fetal thymus, liver and kidney.,domain:The RING finger is required for ubiquitin ligase activity.,domain:The YDG domain mediates the interaction with histone H3.,function:Putative E3 ubiquitin-protein ligase. May participate in methylation-dependent transcriptional regulation. Binds to inverted 5'-CCAAT-3' box 2 in the TOP2A promoter, and activates TOP2A expression. Important for G1/S transition. May be involved in DNA repair and chromosomal stability.,induction:Up-regulated in proliferating cells, and down-regulated in quiescent cells. Down-regulated upon adriamycin-induced DNA damage, in a TP53/p53 and CDKN1A-dependent way. Induced by E2F1 transcription factor.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated on serine residues. Phosphorylation may enhance DNA-binding activity.,PTM:Ubiquitinated; which leads to proteasomal degrad
<b>Background</b>	This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase IIalpha and retinoblastoma gene expression, and functions in the p53-dependent DNA damage checkpoint. It is regarded as a hub protein for the integration of epigenetic information. This gene is up-regulated in various cancers, and it is therefore considered to be a therapeutic target. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 12. [provided by RefSeq, Feb 2014],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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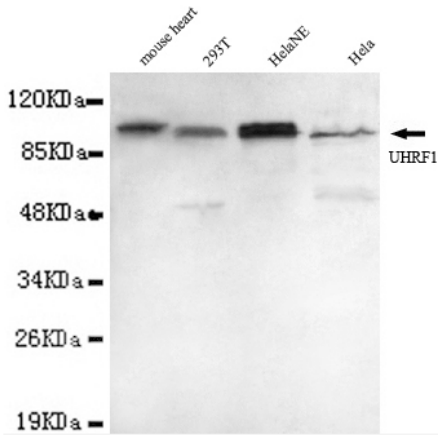
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## Products Images



Western blot detection of UHRF1 in Mouse heart, 293T, HelaNE and Hela cell lysates using UHRF1 mouse mAb (1:1000 diluted). Predicted band size: 90KDa. Observed band size: 90KDa.