



UHRF1(N-term) mouse mAb

Catalog No	YP-Ab-02354
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	uhrf1
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	UHRF1;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_HUMAN.
Observed Band	90kD
Calculated Molecular Weight	90kD
Cell Pathway	Nucleus . Localizes to replication foci. Enriched in pericentric heterochromatin. Also localizes to euchromatic regions.
Tissue Specificity	Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.



Function

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

Background

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],

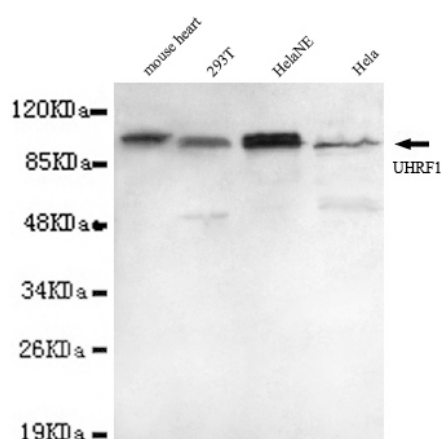
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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: 90 kDa. Observed band size: 90 kDa.