

UHRF1(N-term) mouse mAb

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| Catalog No : | YM1202 |
| Reactivity : | Human;Mouse |
| Applications : | WB |
| Target : | UHRF1 |
| Gene Name : | uhrf1 |
| Human Gene Id : | 29128 |
| Human Swiss Prot No : | Q96T88 |
| Mouse Swiss Prot No : | Q8VDF2 |
| 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 |
| Dilution : | wb 1:1000 |
| Purification : | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 90kD |
| 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],

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

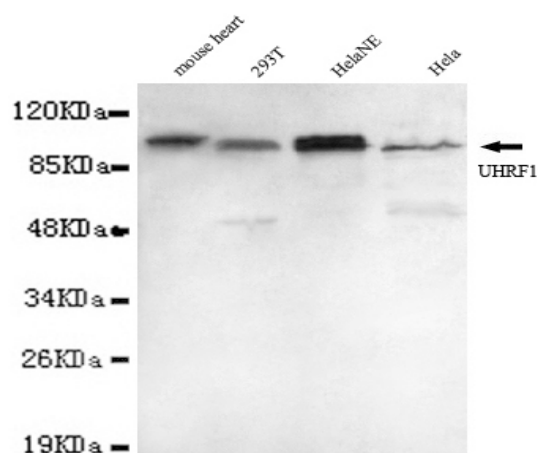
Subcellular Location :

Nucleus . Localizes to replication foci. Enriched in pericentric heterochromatin. Also localizes to euchromatic regions.

Expression :

Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.

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.