

产品名称: UHRF1 Rabbit Polyclonal Antibody
产品货号: APRab19615



产品概述 (Summary)

产品名称 (Production Name)	UHRF1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	UHRF1 UHRF1; ICBP90; NP95; RNF106; E3 ubiquitin-protein ligase UHRF1; Inverted CCAAT box-binding protein of 90 kDa; Nuclear protein 95; Nuclear zinc finger protein Np95; HuNp95; hNp95; RING finger protein 106;Transcription factor ICBP90; Ubiquitin-like PHD and RING finger domain-containing protein 1; hUHRF1; Ubiquitin-like-containing PHD and RING finger domains protein 1
别名 (Alternative Names)	
基因 ID (Gene ID)	29128.0
蛋白 ID (SwissProt ID)	Q96T88.Synthesized peptide derived from the Internal region of human UHRF1.

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稀释比 (Dilution Ratio)	WB 1:500-1:2000, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	89kDa

研究背景 (Background)

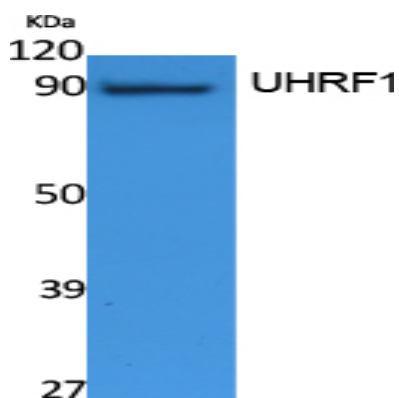
This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase II α 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], 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 degradation. Polyubiquitination may be stimulated by DNA damage., similarity: Contains 1 PHD-type zinc finger., similarity: Contains 1 ubiquitin-like domain., similarity: Contains 1 YDG domain., similarity: Contains 2 RING-type zinc fingers., subunit: Interacts with histones H3, H1 and H2B (By similarity). Interacts with HDAC1, but not with HDAC2. Interacts with UHRF1BP1. Binds methylated CpG containing oligonucleotides., tissue specificity: Expressed in thymus, bone marrow, testis, lung and heart. Overexpressed in breast cancer.,

研究领域 (Research Area)

Epigenetics and Nuclear Signaling

图片 (Image Data)

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Western Blot analysis of extracts from Jurkat cells, using UHRF1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

注意事项 (Note)

For research use only .