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UHRF1 Rabbit pAb

Catalog # AP98637

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Mouse
Predicted	Rat, Human, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human UHRF1
Epitope Specificity	21-120/793
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PHD-type zinc finger. Contains 2 RING-type zinc fingers. Contains 1 ubiquitin-like domain. Contains 1 YDG domain.
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.
Post-translational modifications	Phosphorylated on serine residues. Phosphorylation may enhance DNA-binding activity.Ubiquitinated; which leads to proteasomal degradation. Polyubiquitination may be stimulated by DNA damage.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	29128
Other Names	ICBP90; Np95; RNF106; TDRD22; hNP95; hUHRF1; huNp95; ubiquitin like with PHD and ring finger domains 1; inverted CCAAT box binding protein 90
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	UHRF1 Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.