

For Research Use Only

UHRF1 Polyclonal antibody

Catalog Number: 21402-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

21402-1-AP

Size:

150ul, Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16111

GenBank Accession Number:

BC113875

GeneID (NCBI):

29128

UNIPROT ID:

Q96T88

Full Name:

ubiquitin-like with PHD and ring finger domains 1

Calculated MW:

806 aa, 91 kDa

Observed MW:

91 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:50-1:500

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, RIP, WB

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, MCF-7 cells

IP : HeLa cells,

IF : HepG2 cells,

Background Information

UHRF1, also named as ICBP90, NP95 and RNF106, is a putative E3 ubiquitin-protein ligase. It may participate in methylation-dependent transcriptional regulation. UHRF1 binds to inverted 5'-CCAAT-3' box 2 in the TOP2A promoter, and activates TOP2A expression. It is important for G1/S transition and may be involved in DNA repair and chromosomal stability. UHRF1's ability to repress its direct target gene expression is dependent on PHD(UHRF1) binding to unmodified H3R2. In addition, UHRF1 is a novel metabolic guardian restricting AMPK activity(PMID: 34907338).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|----------------------|-------------|
| Leyang Xiang | 32808348 | Cancer Sci | WB |
| Wei Deng | 25833338 | Cell Physiol Biochem | WB |
| Federica Morani | 33800494 | Int J Mol Sci | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

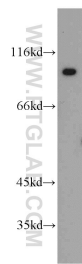
For technical support and original validation data for this product please contact:

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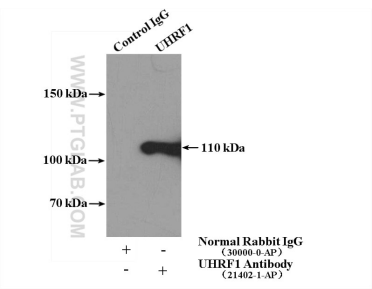
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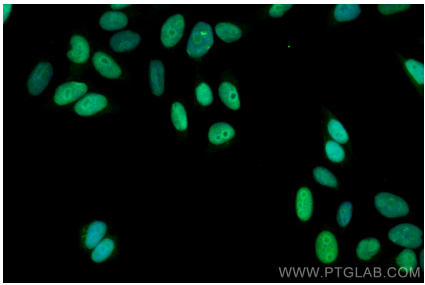
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21402-1-AP (UHRF1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-UHRF1 (IP:21402-1-AP, 4ug; Detection:21402-1-AP 1:1000) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UHRF1 antibody (21402-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).