

For Research Use Only

# UHRF1 Recombinant antibody

Catalog Number: 84489-5-RR

Featured Product



## Basic Information

Catalog Number:

84489-5-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17498

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:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

241872G4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells, HEK-293T cells, HuH-7 cells, HeLa cells, Jurkat cells, HepG2 cells, HCT 116 cells, U2OS cells

IF/ICC : 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).

## 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

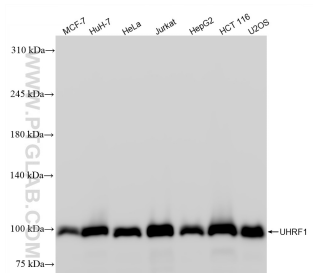
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

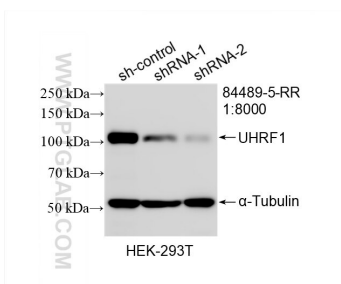
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

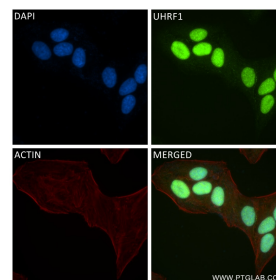
## Selected Validation Data



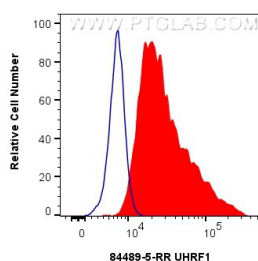
Various lysates were subjected to SDS PAGE followed by western blot with 84489-5-RR (UHRF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



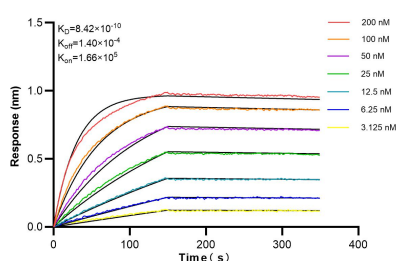
WB result of UHRF1 antibody (84489-5-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UHRF1 transfected HEK-293T cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UHRF1 antibody (84489-5-RR, Clone: 241872G4) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.25 ug UHRF1 Recombinant antibody (84489-5-RR, Clone:241872G4) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84489-5-RR against Human UHRF1 were performed. The affinity constant is 0.842 nM.