

For Research Use Only

UHRF1 Recombinant antibody, PBS Only

Catalog Number: 84489-5-PBS



Basic Information

Catalog Number:

84489-5-PBS

Size:

1 mg/ml

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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

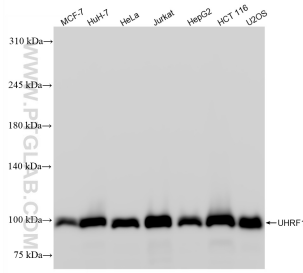
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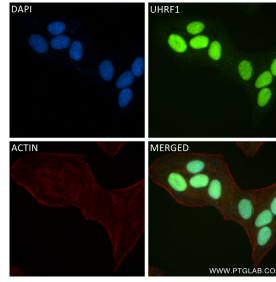
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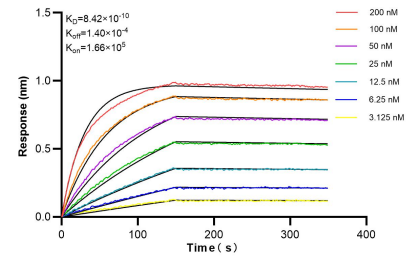
Selected Validation Data



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. This data was developed using the same antibody clone with 84489-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84489-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84489-5-RR against Human UHRF1 were performed. The affinity constant is 0.842 nM.