

For Research Use Only

UHRF1 Recombinant antibody

Catalog Number:84489-5-RR



Basic Information

Catalog Number: 84489-5-RR	GenBank Accession Number: BC113875	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 29128	CloneNo.: 241872G4
Source: Rabbit	UNIPROT ID: Q96T88	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: ubiquitin-like with PHD and ring finger domains 1	
Immunogen Catalog Number: AG17498	Calculated MW: 806 aa, 91 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB: MCF-7 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'-CCAAAT-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

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

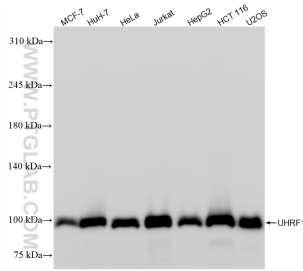
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E: Proteintech-CN@ptglab.com

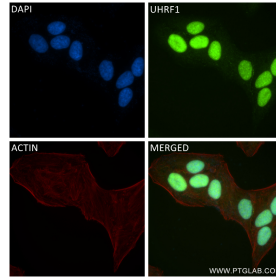
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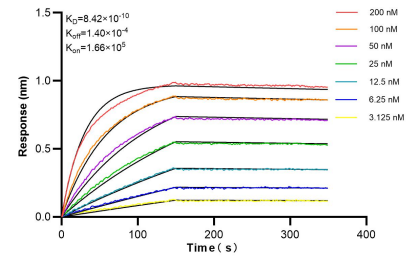
Selected Validation Data



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.



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).



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