

For Research Use Only

UFM1 Recombinant antibody

Catalog Number: 85068-5-RR



Basic Information

Catalog Number:

85068-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8667

GenBank Accession Number:

BC005193

GeneID (NCBI):

51569

UNIPROT ID:

P61960

Full Name:

ubiquitin-fold modifier 1

Calculated MW:

85 aa, 9 kDa

Observed MW:

9-12 kDa

Purification Method:

Protein A purification

CloneNo.:

242505E9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, HuH-7 cells, HEK-293T cells, U2OS cells

Background Information

UFM1 (Ubiquitin-fold modifier 1) is a ubiquitin-like protein covalently conjugated with intracellular proteins through UFMylation (modification by UFM1), a process similar to ubiquitylation (PMID: 38141606). UFM1 is conjugated to its target proteins by E1-like activating enzyme UBE1DC1 and E2-like conjugating enzyme UFC1 in a manner analogous to ubiquitylation (PMID: 28234446; 33066455). At the molecular level, UFMylation is an important mediator of the protein function. Dysregulation of the UFM1 system, e.g., the knockout of UFMylation components, disturbs proteome homeostasis and triggers endoplasmic reticulum stress. Such changes are linked to developmental disorders, tumorigenesis, tissue injury, inflammation, and several hereditary neurological syndromes (PMID: 36932998).

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:

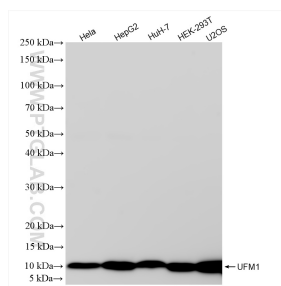
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85068-5-RR (UFM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.