

For Research Use Only

UFM1 Recombinant antibody, PBS Only

Catalog Number: 85068-5-PBS



Basic Information

Catalog Number: 85068-5-PBS	GenBank Accession Number: BC005193	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51569	CloneNo.: 242505E9
Source: Rabbit	UNIPROT ID: P61960	
Isotype: IgG	Full Name: ubiquitin-fold modifier 1	
Immunogen Catalog Number: AG8667	Calculated MW: 85 aa, 9 kDa	
	Observed MW: 9-12 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

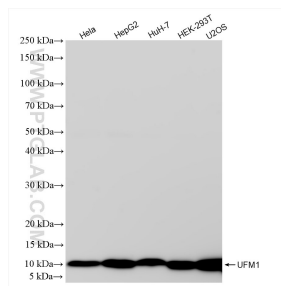
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
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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. This data was developed using the same antibody clone with 85068-5-PBS in a different storage buffer formulation.