10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-UFM1 Rabbit Monoclonal Antibody

Catalog # ABO16306

Product Information

Application	WB, IHC, IP
Primary Accession	P61960
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-UFM1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	51569
Other Names	Ubiquitin-fold modifier 1, UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}
Calculated MW	9118
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 28U42
Immunogen	A synthesized peptide derived from human UFM1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

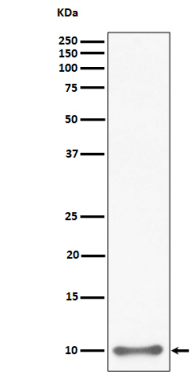
Protein Information

Name	UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}
Function	Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer (PubMed:15071506, PubMed:20018847, PubMed:27653677,

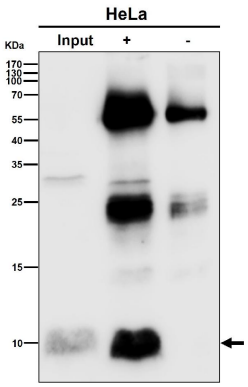
PubMed:29868776, PubMed:30626644, PubMed:38377992, PubMed:38383785). The so-called ufmylation, requires the UFM1- activating E1 enzyme UBA5, the UFM1-conjugating E2 enzyme UFC1, and the UFM1-ligase E3 enzyme UFL1 (PubMed:15071506, PubMed:20018847, PubMed:27653677, PubMed:29868776). Ufmylation is involved in various processes, such as ribosome recycling, response to DNA damage, transcription or reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:25219498, PubMed:32160526, PubMed:38383785).

Cellular Location Nucleus. Cytoplasm

Images



Western blot analysis of UFM1 expression in HepG2 cell lysate.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:500 dilution)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.