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UFM1 Antibody

Rabbit mAb
Catalog # AP92846

Product Information

Application	WB, IHC, IP
Primary Accession	P61960
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	BM002; Chromosome 13 open reading frame 20; Ubiquitin-fold modifier 1; UFM1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	9118

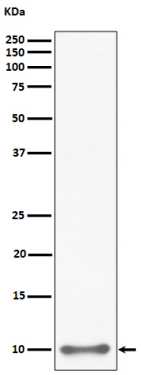
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human UFM1
Description	Ubiquitin-like modifier protein which binds to a number of target proteins, such as DDRGK1.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

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