

# UFM1 Antibody

Rabbit mAb

Catalog # AP92846

## Product Information

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

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human UFM1
<b>Description</b>	Ubiquitin-like modifier protein which binds to a number of target proteins, such as DDRGK1.
<b>Storage Condition and Buffer</b>	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.

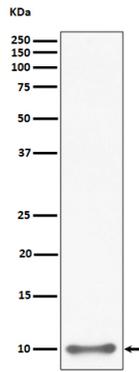
## Protein Information

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<b>Name</b>	UFM1 {ECO:0000303   PubMed:15071506, ECO:0000312   HGNC:HGNC:20597}
<b>Function</b>	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: <a href="#">15071506</a> , PubMed: <a href="#">20018847</a> , PubMed: <a href="#">27653677</a> , PubMed: <a href="#">29868776</a> , PubMed: <a href="#">30626644</a> , PubMed: <a href="#">38377992</a> , PubMed: <a href="#">38383785</a> ). 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: <a href="#">15071506</a> , PubMed: <a href="#">20018847</a> , PubMed: <a href="#">27653677</a> , PubMed: <a href="#">29868776</a> ). 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: <a href="#">25219498</a> , PubMed: <a href="#">32160526</a> , PubMed: <a href="#">38383785</a> ).
<b>Cellular Location</b>	Nucleus. Cytoplasm

## Images

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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'.