

# Anti-UFM1 Rabbit Monoclonal Antibody

Catalog # ABO16306

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IP                                                                                                                |
| <b>Primary Accession</b> | <a href="#">P61960</a>                                                                                                     |
| <b>Host</b>              | Rabbit                                                                                                                     |
| <b>Isotype</b>           | IgG                                                                                                                        |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                          |
| <b>Clonality</b>         | Monoclonal                                                                                                                 |
| <b>Format</b>            | Liquid                                                                                                                     |
| <b>Description</b>       | Anti-UFM1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications.<br>This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 51569                                                                                                                                      |
| <b>Other Names</b>                     | Ubiquitin-fold modifier 1, UFM1 {ECO:0000303   PubMed:15071506, ECO:0000312   HGNC:HGNC:20597}                                             |
| <b>Calculated MW</b>                   | 9118                                                                                                                                       |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50                                                                                               |
| <b>Source</b>                          | Eukaryota                                                                                                                                  |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 28U42<br>A synthesized peptide derived from human UFM1                                                                              |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                         | 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

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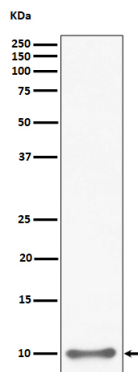
|                 |                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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:[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](#)).

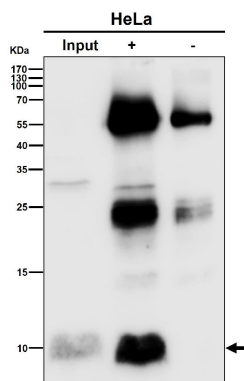
## Cellular Location

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'.