

Anti-UFM1 Rabbit Monoclonal Antibody
Catalog # ABO16306**Specification**

Anti-UFM1 Rabbit Monoclonal Antibody - 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.

Anti-UFM1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 51569

Other Names

Ubiquitin-fold modifier 1, UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}

Calculated MW

10 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
IP 1:50

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.

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.

Anti-UFM1 Rabbit Monoclonal Antibody - 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

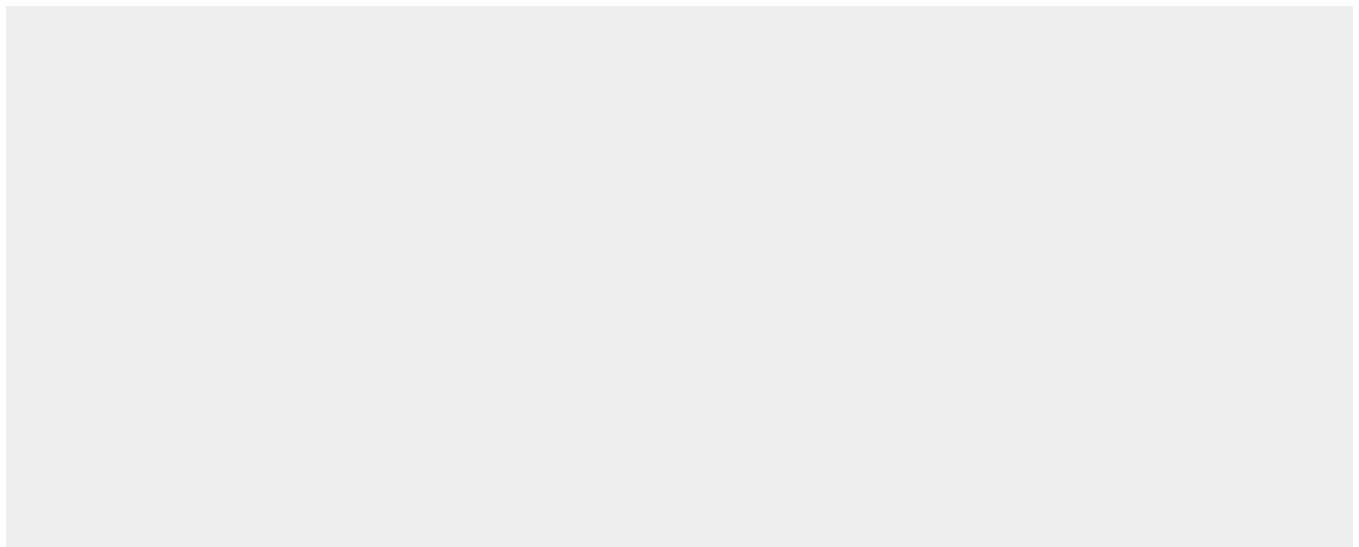
Nucleus. Cytoplasm

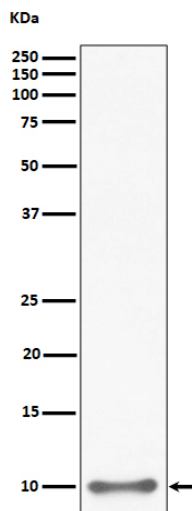
Anti-UFM1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

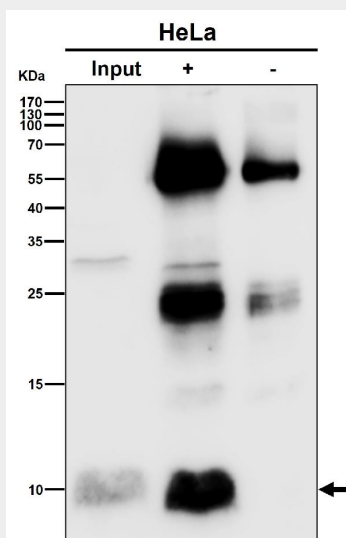
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-UFM1 Rabbit Monoclonal Antibody - 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)