

Product Name: UFM1 (3Y5) Rabbit Monoclonal Antibody
Catalog #: AMRe19612

Summary

Production Name	UFM1 (3Y5) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	UFM1 {ECO:0000303 PubMed:15071506, ECO:0000312 HGNC:HGNC:20597}
Alternative Names	BM002; Chromosome 13 open reading frame 20; Ubiquitin-fold modifier 1; UFM1;
Gene ID	51569.0
SwissProt ID	P61960.A synthetic peptide of human UFM1

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	9kDa

Background

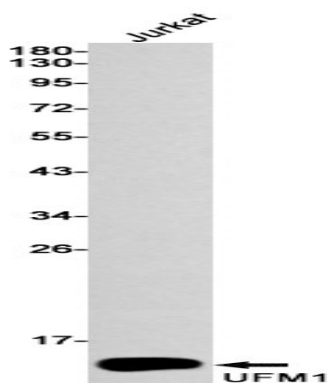
Ubiquitin-like modifier protein which binds to a number of target proteins, such as DDRGK1. Ubiquitin-like modifier which

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can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer (PubMed: [15071506](http://www.uniprot.org/citations/15071506), PubMed: [20018847](http://www.uniprot.org/citations/20018847), PubMed: [29868776](http://www.uniprot.org/citations/29868776), PubMed: [27653677](http://www.uniprot.org/citations/27653677)). 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](http://www.uniprot.org/citations/15071506), PubMed: [20018847](http://www.uniprot.org/citations/20018847), PubMed: [29868776](http://www.uniprot.org/citations/29868776), PubMed: [27653677](http://www.uniprot.org/citations/27653677)). Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed: [32160526](http://www.uniprot.org/citations/32160526)). Ufmylation of TRIP4 regulates nuclear receptors-mediated transcription (PubMed: [25219498](http://www.uniprot.org/citations/25219498)).

Research Area

Image Data



Western blot detection of UFM1 in Jurkat cell lysates using UFM1 antibody(1:1000 diluted).

Note

For research use only.