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KD-Validated Anti-UFM1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2194

Product Information

Application	WB, FC, ICC
Primary Accession	P61960
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB85
Calculated MW	9118
Gene Name	UFM1
Aliases	UFM1; Ubiquitin Fold Modifier 1; C13orf20; Ubiquitin-Fold Modifier 1; BA131P10.1; Chromosome 13 Open Reading Frame 20; BM-002; HLD14
Immunogen	A synthesized peptide derived from human UFM1

Additional Information

Gene ID	51569
Other Names	Ubiquitin-fold modifier 1, UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}

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