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KD-Validated Anti-UFC1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1416

Product Information

Application	WB, FC, ICC
Primary Accession	Q9Y3C8
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4245
Calculated MW	19458
Gene Name	UFC1
Aliases	UFC1; Ubiquitin-Fold Modifier Conjugating Enzyme 1; HSPC155; Ubiquitin-Fold Modifier-Conjugating Enzyme 1; Ufm1-Conjugating Enzyme 1; NEDSG
Immunogen	A synthesized peptide derived from human UFC1

Additional Information

Gene ID	51506
Other Names	Ubiquitin-fold modifier-conjugating enzyme 1, Ufm1-conjugating enzyme 1, UFC1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:26941}

Protein Information

Name	UFC1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:26941}
Function	E2-like enzyme which specifically catalyzes the second step in ufmylation (PubMed:15071506, PubMed:29868776, PubMed:30626644, PubMed:34588452, PubMed:35394863, PubMed:36121123, PubMed:38383789). Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage (PubMed:15071506, PubMed:29868776, PubMed:34588452, PubMed:38383789). Ufmylation is involved in various processes, such as ribosome recycling, response to DNA damage, interferon response or reticulophagy (also called ER-phagy) (PubMed:27351204, PubMed:32160526, PubMed:35394863, PubMed:37036982, PubMed:38383789).

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