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UFC1 Antibody

Rabbit mAb
Catalog # AP93031

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	Q9Y3C8
Reactivity	Human
Clonality	Monoclonal
Other Names	HSPC155; Ubiquitin fold modifier conjugating enzyme 1; UFC1; Ufm1 conjugating enzyme 1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	19458

Additional Information

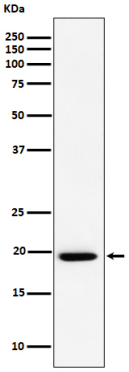
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human UFC1
Description	E2-like enzyme which forms an intermediate with UFM1 via a thioester linkage.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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).

Images

Western blot analysis of UFC1 expression in A549 cell



lysate.

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