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UFC1 Rabbit mAb

Catalog # AP76229

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q9Y3C8
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	19458

Additional Information

Gene ID	51506
Other Names	UFC1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:20
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

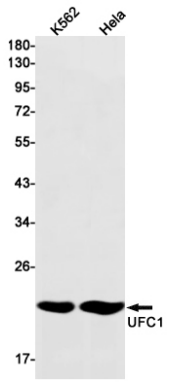
Protein Information

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).

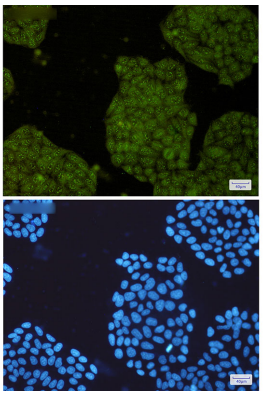
Background

E2-like enzyme which forms an intermediate with UFM1 via a thioester linkage.

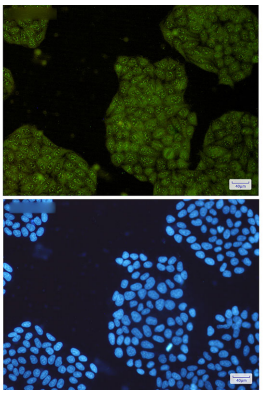
Images

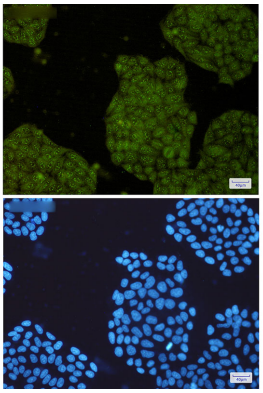


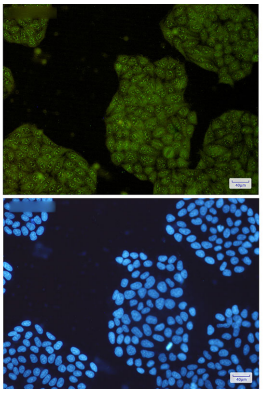
Western blot analysis of UFC1 in K562, Hela lysates using UFC1 antibody.



Immunocytochemistry analysis of UFC1(green) in Hela using UFC1 antibody,and DAPI(blue)







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