

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.

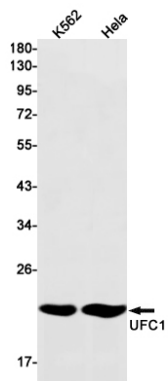
Protein Information

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).

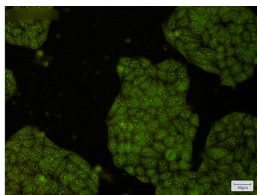
Background

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

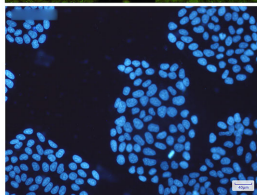
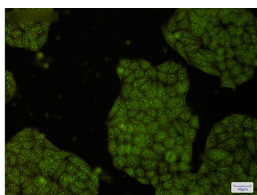
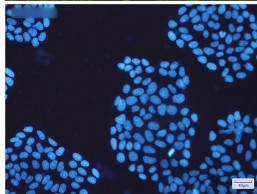
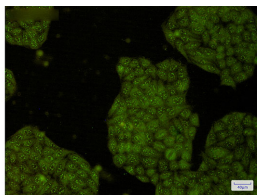
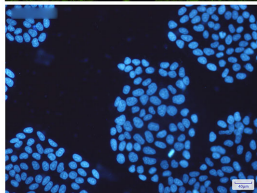
Images

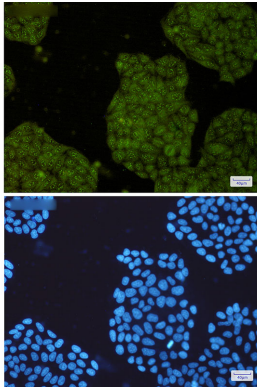


Western blot analysis of UFC1 in K562, HeLa lysates using UFC1 antibody.



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





Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.