

DATASHEET

UFC1 Rabbit Polyclonal Antibody

CAT. NO. APA17241

KEY FEATURES

Target	UFC1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

E2-like enzyme which specifically catalyzes the second step in ufmylation . Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage . Ufmylation is involved in various processes, such as ribosome recycling, response to DNA damage, interferon response or reticulophagy (also called ER-phagy) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

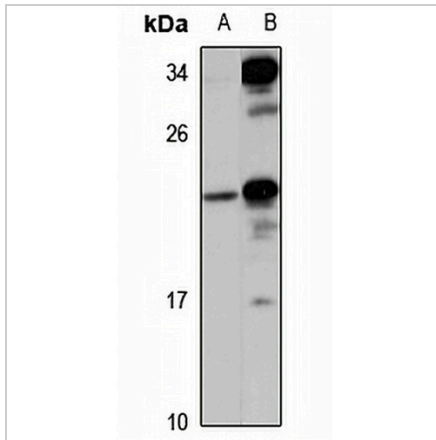
Description	Rabbit polyclonal antibody to UFC1
Specificity	Recognizes endogenous levels of UFC1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human UFC1 . The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 19 kD; Observed: 19 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Ubiquitin-fold modifier-conjugating enzyme 1; Ufm1-conjugating enzyme 1
Gene Symbol	UFC1
Entrez Gene	51506(Human); 66155(Mouse); 445268(Rat)
SwissProt	Q9Y3C8(Human); Q9CR09(Mouse); Q6BBI8(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

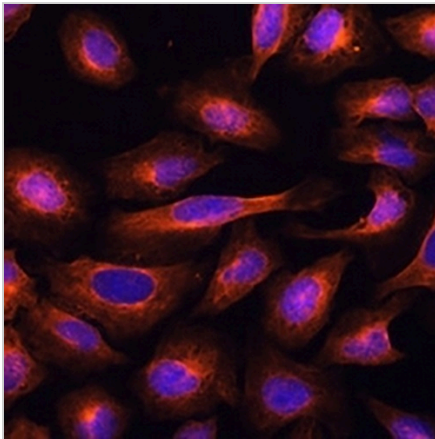
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of UFC1 expression in A549 (A), mouse brain (B) whole cell lysates. (Predicted band size: 19 kD; Observed band size: 19 kD)



Immunofluorescent analysis of UFC1 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.