

Product datasheet

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ARG42978 anti-UFM1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes UFM1

Tested Reactivity Hu, Ms, Rat

Tested Application IHC-P, IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name UFM1

Species Human

Immunogen Synthetic peptide of Human UFM1.

Conjugation Un-conjugated

Alternate Names BM-002; C13orf20; Ubiquitin-fold modifier 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	1:20
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 10 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.

Preservative 0.01% Sodium azide

Stabilizer 40% Glycerol and 0.05% BSA

Concentration Batch dependent

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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Bioinformation

Gene Symbol UFM1

Gene Full Name ubiquitin-fold modifier 1

Background UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5

(UBE1DC1; MIM 610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in a manner analogous to ubiquitylation (see UBE2M; MIM 603173) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by

OMIM, Dec 2008]

Function Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to substrate proteins as

a monomer or a lysine-linked polymer (PubMed:15071506, PubMed:20018847, PubMed:29868776). The so-called ufmylation, requires the UFM1-activating E1 enzyme UBA5, the UFM1-conjugating E2 enzyme UFC1, and the UFM1-ligase E3 enzyme UFL1 (PubMed:15071506, PubMed:20018847, PubMed:29868776). This post-translational modification on lysine residues of proteins may play a crucial role in a number of cellular processes (PubMed:15071506, PubMed:20018847). TRIP4

ufmylation may for instance play a role in nuclear receptors-mediated transcription

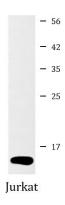
(PubMed:25219498). Other substrates may include DDRGK1 with which it may play a role in the cellular

response to endoplasmic reticulum stress (Probable). [UniProt]

Calculated Mw 9 kDa

Cellular Localization Nucleus. Cytoplasm. [UniProt]

Images



ARG42978 anti-UFM1 antibody WB image

Western blot: Jurkat cell lysate stained with ARG42978 anti-UFM1 antibody at 1:1000 dilution.