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[KD]UFM1 Rabbit mAb

Catalog # AP74823

Product Information

Application	WB, IHC-P, IP
Primary Accession	P61960
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	9118

Additional Information

Gene ID	51569
Other Names	UFM1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:10-1:50
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.

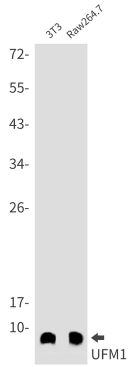
Protein Information

Name	UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}
Function	Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer (PubMed:15071506, PubMed:20018847, PubMed:27653677, PubMed:29868776, PubMed:30626644, PubMed:38377992, PubMed:38383785). 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:27653677, PubMed:29868776). Ufmylation is involved in various processes, such as ribosome recycling, response to DNA damage, transcription or reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:25219498, PubMed:32160526, PubMed:38383785).
Cellular Location	Nucleus. Cytoplasm

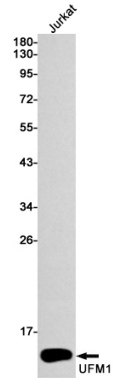
Background

Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer.

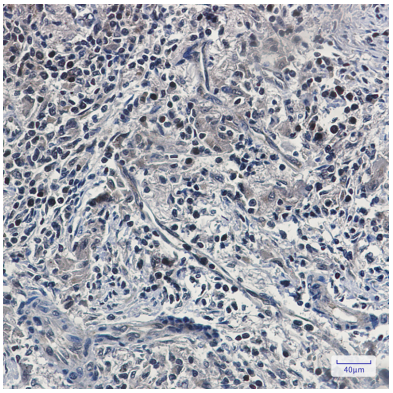
Images



Western blot analysis of UFM1 in 3T3, Raw264.7 lysates using UFM1 antibody.



Western blot analysis of UFM1 in Jurkat lysates using UFM1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using UFM1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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