

Product datasheet

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ARG40060 anti-URM1 antibody Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes URM1

Tested Reactivity Ms, Rat **Tested Application** WB Host Rabbit

Polyclonal Clonality

Isotype IgG

URM1 **Target Name Species** Human

Immunogen Recombinant fusion protein corresponding to aa. 1-63 of Human URM1 (NP_001252511.1).

Conjugation Un-conjugated

Alternate Names C9orf74; Ubiquitin-related modifier 1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat eye	
Observed Size	~ 11 kDa	

Properties

Liquid Form

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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.

For laboratory research only, not for drug, diagnostic or other use. Note

Bioinformation

Gene Symbol URM1

Gene Full Name ubiquitin related modifier 1

Function Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of cytosolic

tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by being thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. Also acts as a ubiquitin-like protein (UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target proteins such as MOCS3, ATPBD3, CTU2, USP15 and CAS. The thiocarboxylated form serves as substrate for conjugation and oxidative stress specifically induces

the formation of UBL-protein conjugates. [UniProt]

Calculated Mw 11 kDa

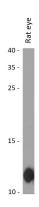
PTM C-terminal thiocarboxylation occurs in 2 steps, it is first acyl-adenylated (-COAMP) via the

hesA/moeB/thiF part of MOCS3, then thiocarboxylated (-COSH) via the rhodanese domain of MOCS3.

[UniProt]

Cellular Localization Cytoplasm. [UniProt]

Images



ARG40060 anti-URM1 antibody WB image

Western blot: 25 μg of Rat eye lysate stained with ARG40060 anti-URM1 antibody at 1:1000 dilution.