

URM1 Rabbit pAb

CatalogNo: YN6796

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 11kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human URM1

Specificity

This antibody detects endogenous levels of URM1 at Human, Mouse

| Target Information

Gene name

URM1 C9orf74

| | | | |
|-----------------------|--|-------------------------|--------------------------|
| Protein Name | Ubiquitin-related modifier 1 homolog | | |
| | Organism | Gene ID | UniProt ID |
| | Human | 81605 ; | Q9BTM9 ; |
| | Mouse | 68205 ; | Q9D2P4 ; |
| Cellular Localization | Cytoplasm. | | |
| 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. | | |

Validation Data

Contact information

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URM1 Rabbit pAb

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