

URM1 polyclonal antibody

Catalog: BS75471

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Acts as a sulfur carrier required for 2-thiolation of mcm(5S(2U 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(5S(2U. 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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

11kDa

Swiss-Prot:

Q9BTM9

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

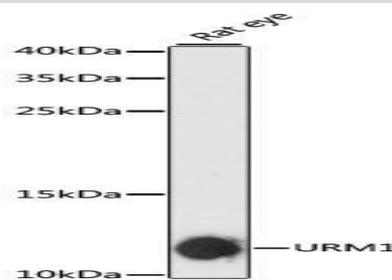
WB,1:500 - 1:2000|IF/ICC,1:50 - 1:100

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Western blot analysis of extracts of rat eye, using URM1 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

Note:

For research use only, not for use in diagnostic procedure.

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