

## ARG44129 anti-NSUN3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal recognizes NSUN3  |
| Tested Reactivity   | Hu, Mk  |
| Tested Application  | FACS, WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | NSUN3   |
| Species             | Human   |
| Immunogen           | Human NSUN3 recombinant protein (Position: K12-E310).   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | NSUN3; NOP2/Sun RNA Methyltransferase 3; TRNA (Cytosine(34)-C(5))-Methyltransferase, Mitochondrial; NOP2/Sun RNA Methyltransferase Family Member 3; NOL1/NOP2/Sun Domain Family Member 3; FLJ22609; NOL1/NOP2/Sun Domain Family, Member 3; Putative Methyltransferase NSUN3; EC 2.1.1.-; EC 2.1.1.1; COXPD48; MSTP077; MST077 |

### Application Instructions

| Application table | Application | Dilution                       |
|-------------------|-------------|--------------------------------|
|                   | FACS        | 1 - 3 µg/10 <sup>6</sup> cells |
|                   | WB          | 0.25-0.5 µg/ml                 |

**Application Note** The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purification with immunogen.  |
| Buffer              | 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.  |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 4% Trehalose   |
| Concentration       | 0.5 mg/ml  |
| 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 or below. 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. |

Note

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

## Bioinformation

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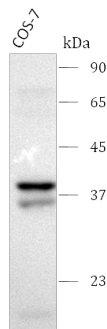
|                       |  |
|-----------------------|--|
| Gene Symbol           | NSUN3  |
| Gene Full Name        | NOP2/Sun RNA Methyltransferase 3   |
| Background            | Enables tRNA (cytosine-5-)-methyltransferase activity. Involved in regulation of mitochondrial translation and tRNA wobble base cytosine methylation. Located in mitochondrial matrix. Implicated in combined oxidative phosphorylation deficiency 48. |
| Function              | Mitochondrial tRNA methyltransferase that mediates methylation of cytosine to 5-methylcytosine (m5C) at position 34 of mt-tRNA(Met).   |
| Calculated Mw         | 38 kDa   |
| Cellular Localization | Mitochondrion  |

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## Images

ARG44129 anti-NSUN3 antibody WB image

Western blot: COS-7 stained with ARG44129 anti-NSUN3 antibody at 0.5 µg/ml dilution.



ARG44129 anti-NSUN3 antibody FACS image

Flow Cytometry: U251 stained with ARG44129 anti-NSUN3 antibody at 1 µg/10<sup>6</sup> cells dilution.

