

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; COXPD48; MSTP077; MST077

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ 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 ₂ HPO ₄ , 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.

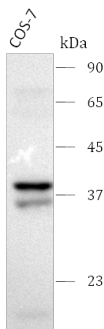
Bioinformation

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

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/10^6 cells dilution.

