

Datasheet for ABIN7142648
anti-NSUN4 antibody (AA 26-284)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	NSUN4
Binding Specificity:	AA 26-284
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human 5-methylcytosine rRNA methyltransferase NSUN4 protein (26-284AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NSUN4
Alternative Name:	NSUN4 (NSUN4 Products)
Background:	Background: Involved in mitochondrial ribosome assembly. 5-methylcytosine rRNA methyltransferase that probably is involved in mitochondrial ribosome small subunit (SSU)

Target Details

maturation by methylation of mitochondrial 12S rRNA, the function is independent of MTERFD2/MTERF4 and assembled mitochondrial ribosome large subunit (LSU). Targeted to LSU by MTERFD2/MTERF4 and probably is involved in a final step in ribosome biogenesis to ensure that SSU and LSU are assembled. In vitro can methylate 16S rRNA of the LSU, the methylation is enhanced by MTERFD/MTERF4.

Aliases: 5 methylcytosine rRNA methyltransferase NSUN4 antibody, EC=2.1.1.- antibody, NOL1/NOP2/Sun domain family member 4 antibody, NOL1/NOP2/Sun domain family, member 4 antibody, NOP2/Sun domain family, member 4 antibody, Nsun4 antibody, NSUN4_HUMAN antibody, Putative methyltransferase NSUN4 antibody, RP4-603I14.2 antibody, Shtap antibody, Sperm head and tail associated protein antibody

UniProt: [Q96CB9](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

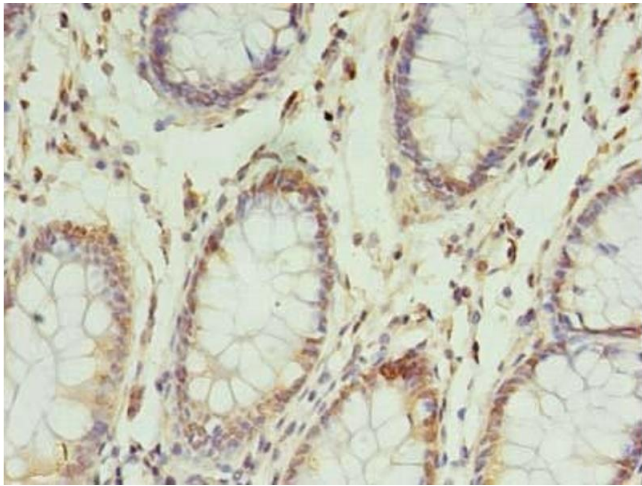
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

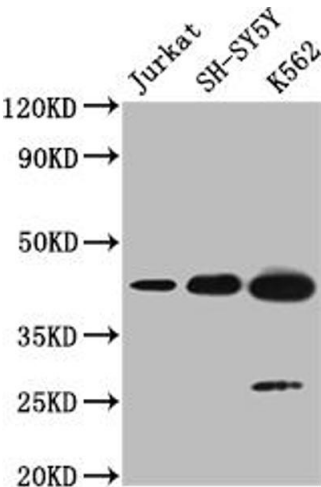
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7142648 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: NSUN4 antibody at 0.6 μ g/mL + 293T whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 44, 17, 22, 38 kDa Observed band size: 44 kDa