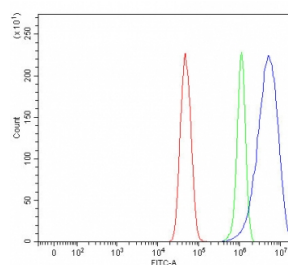


## NSUN3 Antibody / NOL1/NOP2/Sun domain family member 3 / MST077 (RQ8449)

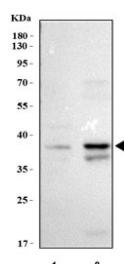
Catalog No.	Formulation	Size
RQ8449	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Monkey
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9H649
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This NSUN3 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human U-251 cells with NSUN3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NSUN3 antibody.



Western blot testing of 1) human placenta and 2) monkey COS7 cell lysate with NSUN3 antibody. Predicted molecular weight ~38 kDa.

## Description

NSUN3 (NOL1/NOP2/Sun domain family, member 3), also known as MST077, is a 340 amino acid protein that belongs to the methyltransferase superfamily and is thought to function as an S-adenosyl-L-methionine-dependent methyltransferase. The gene encoding NSUN3 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3

## Application Notes

Optimal dilution of the NSUN3 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (K12-E310) was used as the immunogen for the NSUN3 antibody.

## Storage

After reconstitution, the NSUN3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.