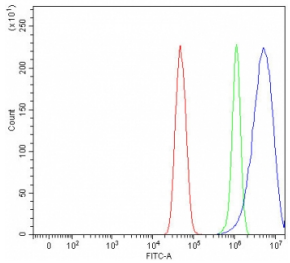
NSUN3 Antibody / NOL1/NOP2/Sun domain family member 3 / MST077 (RQ8449)

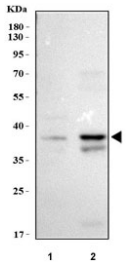
Catalog No.	Formulation	Size
RQ8449	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H649
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	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.

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