

For Research Use Only

Na 1-Methyladenosine Monoclonal antibody, PBS Only



Catalog Number: 68636-1-PBS

Basic Information

Catalog Number:

68636-1-PBS

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein G purification

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

CloneNo.:

2F2H8

Applications

Tested Applications:

Dot Blot, Indirect ELISA

Species Specificity:

Human

Background Information

1-Methyladenosine, also known as m1A, belongs to the class of organic compounds known as purine nucleosides. M1A is important for the tRNA 3-dimensional structure, and it is also important for structure stabilization of tRNA due to its positive electrostatic charge and assists in correct folding of tRNA. Recently evidence suggests that m1A in tRNA is under reversible regulation that is installed by a tRNA m1A methyltransferase (MTase) and is erased by AlkB Homolog 1 (ALKBH1) and AlkB Homolog 3 (ALKBH3).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

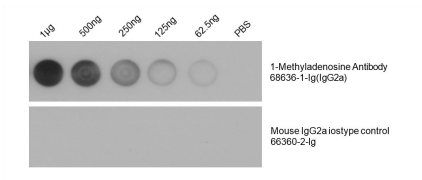
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Selected Validation Data



Total RNA was isolated from HeLa cell line and was dotted to NC membrane at different amount as indicated above the dots. The membrane was blocked with 1% BSA and blotted with m1A (1-Methyladenosine) antibody 68636-1-Ig at 1:2000 followed by incubation of HRP-goat anti-mouse secondary antibody. Signal was developed by ECL substrate. A parallel dot blot was performed using Mouse IgG2a isotype control Monoclonal antibody 66360-2-Ig at the same