

**ADAT3 polyclonal antibody**

Catalog: BS35511

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

tRNA-specific adenosine-34 deaminase regulatory subunit ADAT3: Non-catalytic subunit of the tRNA-specific adenosine-34 deaminase complex, composed of the ADAT2 catalytic subunit and the ADAT3 regulatory subunit, which deaminates adenosine-34 (the first, also called wobble position of the anticodon) to inosine in many tRNAs. Inosine-34 allows the decoding of 3 different nucleotides at the third position of mRNA codons, as inosine is able to pair with U, C, and A. Required for binding of the ADAT2-ADAT3 complex to tRNA through its N-terminus, which rotates with respect to the catalytic domain of the complex, formed by ADAT2 and the ADAT3 C-terminal domain, to position the tRNA anticodon stem-loop correctly in the ADAT2 active site. The ADAT2-ADAT3 complex is required for radial migration of projection neurons in the developing brain cortex, and the catalytic activity of the complex is necessary for this function

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~39.8 kDa

Swiss-Prot:

Q96EY9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ADAT3 protein

DATA:

Western blot analysis of CD3e expression in Jurkat (A), Hela (B), NIH3T3 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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