

**ADAT2 polyclonal antibody**

Catalog: BS34702

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

tRNA-specific adenosine-34 deaminase catalytic subunit ADAT2: 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. Binding of the ADAT2-ADAT3 complex to tRNA is mediated by the N-terminus of ADAT3 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:

~21.0 kDa

Swiss-Prot:

Q7Z6V5

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 ADAT2 protein

DATA:

Western blot analysis of c-Myc expression in Hela (A) whole cell lysates.

Immunohistochemical analysis of c-Myc staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151