

Anti-AARSD1 Antibody (3K421)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3K421
Purification:	Protein A

Applications

1. Immunofluorescence staining of Human AARSD1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human AARSD1 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

2. Anti-AARSD1 rabbit monoclonal antibody at 1:500 dilution.

-Lane A: HeLa Whole Cell Lysate.

Verified Activity: -Lane B: A549 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

-Secondary

-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

-Predicted band size:45 kDa.

-Observed band size:50 kDa

Application: ELISA,ICC/IF,WB

Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000; ICC-IF: 1:20-1:100

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human AARSD1 Protein

Antigen Species: Human

Synonyms: MGC2744;AlaXp;AARSD 1

Research Background

AARSD1 belongs to the class-II aminoacyl-tRNA synthetase family, Alax-L subfamily. AARSD1 binds 1 zinc ion per subunit functions in trans to edit the amino acid moiety from incorrectly charged tRNA(Ala). Four transcript variants have been described for AARSD1: NM_25267.3, NM_113642.2, NM_1142653.1 and NM_1142654.1. It has been determined that the latter two variants represent a distinct upstream locus, which is now represented by GeneID:

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1885848 (PTGES3L), while the former two variants represent readthrough transcripts between PTGES3L and this locus (AARSD1). The readthrough locus (PTGES3L-AARSD1) is now represented by GeneID:188585.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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