

Recombinant AARSD1 Monoclonal Antibody

catalog number: **AN300162P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

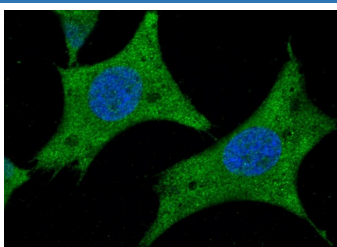
Description

Reactivity	Human
Immunogen	Recombinant Human AARSD1 Protein
Host	Rabbit
Isotype	IgG
Clone	A1276
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

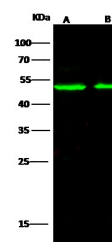
Applications Recommended Dilution

WB	1:500-1:2000
ICC/IF	1:20-1:100

Data



Immunofluorescence analysis 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 for nuclear staining (blue). Positive staining was localized to cytoplasm.



Western Blot with AARSD1 Monoclonal Antibody at dilution of 1:500. Lane A: HeLa Whole Cell Lysate, Lane B: A549 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:50 kDa
Calculated-MW:45 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

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: 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.

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